NAAEE'S 39TH ANNUAL CONFERENCE
7th Annual Research Symposium • Sept. 28 & 29
Veterans of 30+ Conferences and nearly 300 First Timers

This is NAAEE’s 39th Annual Conference, and our hat is off to those of you who have been to 30 or more of them! Where would we be without your dedication, passion, commitment, and insight?

The Vets: Karen Hollweg, Tom Marcinkowski, Harold Hungerford, Terry Wilson, Pamela Jakes, James Lubbers, Rosanne Fortner, Paul Hart, and Thomas Hudspeth

Welcome to the 297 attendees that told us this is going to be your first ever NAAEE conference! Join us at the New Member Welcome Wednesday evening in 106-B at 5:45 PM.

NAAEE’S VISION

By 2015, the North American Association for Environmental Education (NAAEE) will be the premier organization in Canada, the United States, and Mexico providing environmental educators, and the organizations that train, employ, and support those educators with professional development, guidelines for excellence, networking, and advocacy, all within a culture of inclusivity.

NAAEE’s new vision is just one part of our strategic plan. Come to the Business Meeting (Saturday 8:45 AM ~ 101-E) to learn more.

WELCOME TO ALL OUR PARTICIPANTS representing the following countries: Australia, Belgium, Brazil, Canada, Cyprus, Denmark, Germany, India, Indonesia, Israel, Italy, Japan, Republic of Korea, Mexico, Nepal, Netherlands, Nigeria, Puerto Rico, Spain, Taiwan, United Kingdom, United States

Your Vote Counts!

The NAAEE Web site is ready for you to place your vote for Board Members at Large (2 positions open), Board Secretary, and Board President-Elect. To place your vote, please visit: http://naaee.org/vote/

Once there, use your NAAEE member username and password to vote.

If you did not bring a computer to the conference, you may use the computers in the cyber café. Learn more about the candidates and their views at the registration area where a bulletin board will have information posted.

Candidates will be wearing identifier ribbons on their name badges—please introduce yourself, ask questions, learn what they are thinking about NAAEE’s future, and let them know what you think!

You can stop by the NAAEE exhibit booth Thursday night during the opening exhibit hall celebration to meet and talk with the candidates.
Thank you to our sponsors, without whom this conference would not be possible. The cost for producing the conference well exceeds the sponsorship money we receive but without it registration fees could not remain flat for four years in a row!

**CASH SPONSORS**

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- WWF

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- ALBERT L. PIERCE FOUNDATION
- TOYOTA
- WM

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- Columbia
- Buffalo Niagara Convention & Visitors Bureau
- Making a Difference, Together

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- Rich Products Corp.
- RiverWorks Discovery
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Welcome to NAAEE’s 39th annual international conference – you are going to have an incredible environmental education experience!

If you’ve attended a previous conference, you’ll see many of your favorite features. You’ll also see some new features along with some changes in NAAEE in general to serve you better – thanks to member input during a two-year strategic planning process. If this is your first conference, this program will help you navigate the wealth of opportunities we have to offer.

We’re the “North American” Association for EE, not the “National Association” as people sometimes assume from the first letters of our acronym. A significant portion of our membership is from Canada and we continue to work with them to enhance and expand our efforts. To further help emphasize our tri-national focus, we have a new office and representative in Mexico – Emilia de la Sienra. Please come meet her at any or all of these events:

• a welcome reception on Wednesday night in room 109 at 6:00 PM;
• a roundtable presentation where you can talk with her about our activities in Mexico (An Introduction to NAAEE’S New Office in Mexico) in the ballroom, Friday, at 9:30 AM;
• a traditional presentation (What is Happening in Mexico with NAAEE?) in room 106-C Thursday at 8:30 AM.

We have many more exciting changes in store for you as well. Plan your conference schedule to take advantage of these opportunities.

• Be sure to get a tutorial on robust new features in our EE-Link software from our Technology Manager, Adrian Ayson, in the Exhibit Hall (Thursday, 3:30 PM - 4:30 PM; Friday, 12:00 PM - 1:00 PM; Friday, 4:00 PM - 5:00 PM)
• Visit the Young Professional/Student booth for tips on careers in environmental education and ways for young professionals to network with EE leaders.
• Learn how streamlining our operations and governance structure will make our association stronger, at the NAAEE Annual Business Meeting (Saturday, 8:45 AM, room 101-E).

If you’re interested in what businesses are doing to support environmental education, you’ll find a wealth of sessions threaded throughout the program. Of special interest is Thursday’s lunch session — a “don’t miss” panel on what environmental educators need to know about tremendous changes in green infrastructure with a world-class architect, the largest green developer in the US, and the US Green Building Council. Come to the keynotes, absorb yourself in sessions, and enjoy our exhibitors — this conference has lots to offer you!

Our annual fundraising auction has a new twist — the silent auction is open for approximately a 24 hour period in the Exhibit Hall, with the live auction held there on Friday evening. After the auction, you’re free to explore Buffalo’s nightlife. This change is in response to requests from attendees who wanted more time to experience the host city.

NAAEE is proud that even in this difficult economy, we are holding our own, due in no small part to your support. While you’re in Buffalo-Niagara, learn more about NAAEE, become involved in our efforts to influence EE policy, and have a wonderful time!

Diane Cantrell
President

Brian A. Day
Executive Director
Bienvenido a la Conferencia Anual 39° Internacional de NAAEE – ¡Vas a tener una experiencia increíble de la educación ambiental! Si ya has asistido a la conferencia, verás muchas de tus características favoritas. También vas a ver algunas características nuevas y algunos cambios en NAAEE en general para servirte mejor – gracias a la información de los miembros durante el proceso de dos años de hacer un plan estratégico. Si es tu primera experiencia con nuestra conferencia, este programa te ayudará a navegar todas las oportunidades que ofrecemos.

Nosotros somos la Asociación “Norteamericana” por EA, no la Asociación “Nacional,” como piensa mucha gente cuando se ve las letras NAAEE. Una porción considerable de nuestra afiliación es de Canadá y seguimos trabajando con ellos para mejorar y ampliar nuestros esfuerzos allí. Para promover nuestro foco tri-nacional, tenemos una nueva oficina y representante en México – Emilia de la Sienra. Por favor ven a conocerla en uno de estos eventos o en todos estos eventos:

- Una recepción bienvenida el miércoles por la noche en la sala 109 a las 6:00;
- Una mesa redonda donde puedes hablar con ella acerca de nuestras actividades en México (An Introduction to NAAEE’s New Office in Mexico) en el Ballroom, el viernes, a las 9:30 de la mañana;
- Una presentación tradicional (What is Happening in Mexico with NAAEE?) en la sala 106-C el jueves a las 8:30 de la mañana.

Tenemos muchos más cambios emocionantes también. Trata de aprovechar estas oportunidades durante tu experiencia en la conferencia.

- Participa en un tutorial de las características nuevas en nuestro software de EE-Link con el jefe de tecnología, Adrian Ayson, en el Exhibit Hall (el jueves, 3:30pm-4:30pm; el viernes 12:00pm-1:00pm; el viernes 4:00pm-5:00pm).
- Visita el puesto Profesional Joven/Estudiante para consejos en las carreras en educación ambiental y maneras de hacer conexiones con los líderes en educación ambiental.
- Aprende como estamos racionalizando nuestras operaciones y nuestra estructura gubernamental para hacer una asociación más fuerte, en la Reunión Anual de Negocios de NAAEE (el sábado, 8:45am, la sala 101-E).

Si tienes interés en lo que están haciendo las empresas para soportar la educación ambiental, encontrarás mucha sesiones por todo el programa. Algo de interés especial es el evento del almuerzo el jueves – un panel “no pierdas” en lo que los educadores ambientales necesitan saber sobre los cambios en infraestructura verde con un arquitecto famoso, el inmobiliario verde más grande en los E.E.U.U., y el US Green Building Council. Ven a los discursos, participa en las sesiones, y disfruta nuestros presentadores – ¡esta conferencia te ofrece mucho!

Nuestra subasta anual para recaudar fondos tiene un componente nuevo – la subasta muda está abierto por casi 24 horas en el Exhibit Hall y la subasta en vivo está allí el viernes por la noche. Después de la subasta, tienes tiempo libre para explorar la vida nocturna de Buffalo. Este cambio es en respuesta a las peticiones de los asistentes quienes querían más tiempo para disfrutar la ciudad anfitriona.

NAAEE está orgullosa que en esta economía difícil queda más o menos estable gracias a tus contribuciones. Mientras estás en Buffalo-Niagara, te invitamos a aprender más acerca de NAAEE, a participar en nuestros esfuerzos para influenciar la política de EA, ¡y a divertirte!
Bienvenue à la 39e Conférence annuelle internationale de l’Association nord-américaine pour l’Éducation environnementale (ANAEE/NAAEE) — préparez-vous à vivre une expérience incroyable en éducation environnementale (EE)!

Si vous avez déjà participé à l’un de nos congrès, vous reconnaîtrez ici certaines de vos activités préférées. Vous constaterez également de multiples innovations et certains changements organisationnels au sein de l’ANAEE. Tout cela, afin de mieux vous servir et grâce aux recommandations de nos membres à travers le processus de planification stratégique qui s’est déroulé pendant les deux dernières années. S’il s’agit de votre première conférence, ce guide vous aidera à prendre compte des multiples opportunités qui vous sont offertes.

Nous sommes le « North American » Association for Environmental Education et non une « National Association » comme certains s’y méprennent souvent en lisant les premières lettres de notre acronyme. Une part significative de nos membres est canadienne et nous travaillons constamment avec ces derniers afin de renforcer notre partenariat. Dernièrement, pour renforcer encore notre dimension de “trinationale”, nous avons établi un nouveau bureau au Mexique qui est dirigé par notre représentante, Emilia de la Sienra. Vous pourrez la rencontrer lors des événements suivants :

• Réception d’accueil du mercredi soir, 18 h dans la pièce 109;
• Table ronde du vendredi où vous pourrez discuter de nos activités au Mexique (An Introduction to NAAEE’s New Office in Mexico), 9 h 30 dans la salle de bal;
• Présentation traditionnelle le jeudi (What is Happening in Mexico with NAAEE?), 8 h 30 dans la pièce 106-C.

Ce n’est pas tout, nous comptons d’autres nouveautés tout aussi excitantes. Organisez l’horaire de votre congrès afin d’en tirer avantage!

• Assistez à un cours sur les nouveautés de notre logiciel d’EE (EE-Link Software) dans le hall d’exposition avec notre directeur des technologies, Adrian Ayson (jeudi, 15 h 30 – 16 h 30; vendredi 12 h-13 h ou 16 h-17 h).
• Visitez le kiosque des Jeunes professionnels/étudiants pour recueillir de l’information sur les emplois en éducation environnementale et pour avoir des astuces sur la manière dont les jeunes peuvent s’engager dans un réseautage avec des leaders en EE.
• Prenez part à la réunion d’affaires annuelle de l’ANAEE pour en apprendre plus sur les opérations et la structure de gouvernance qui rendent l’organisation toujours plus forte (samedi, 8 h 45 dans la pièce 101-E).

Si vous êtes curieux d’apprendre ce que font les entreprises pour contribuer à l’éducation environnementale, vous serez ravi de constater qu’une multitude de séances sur ce sujet sont prévues. Un moment fort à ne pas manquer est le dîner du jeudi qui traitera de ce que les éducateurs environnementaux doivent savoir sur les avancées en infrastructures vertes. Les invités qui animeront l’événement sont un architecte de renom international, le plus grand développeur vert des États-Unis et le US Green Building Council. Venez écouter les discours, participer aux séances et interagir avec nos exposants; ce congrès a beaucoup à offrir!

Quant à notre encan annuel, il prend une nouvelle tournure cette année; l’encan silencieux se tiendra dans le hall d’exposition sur une période d’environ 24 heures qui se terminera avec un encan en direct, vendredi, au même endroit. Ensuite, vous pourrez explorer la vie nocturne de Buffalo. Ce nouvel arrangement fait suite aux demandes de participants qui ont manifesté le désir d’avoir plus de temps pour découvrir la ville-hôtesse.

Finalement, nous sommes fiers, à l’ANAEE, d’être en mesure de poursuivre nos activités malgré le contexte économique difficile. Et cela, nous le devons en très grande partie à votre soutien précieux. Pendant votre séjour à Buffalo-Niagara, apprenez-en plus sur l’ANAEE, prenez part à nos efforts pour influencer les politiques d’EE et surtout, passez un bon moment!

Diane Cantrell
Présidente

Brian A. Day
Directeur exécutif
Dear Conference Participants:

Welcome to the 2010 NAAEE Annual Conference here in beautiful downtown Buffalo! In 2007, when Buffalo-Niagara was selected as the host of the 2010 conference, the New York State Outdoor Education Association (NYSOEA) and NAAEE began working together to create a dynamic conference planning team. This year’s theme, Environmental Education, Building Connections ~ Bridging Gaps, was designed to build on past efforts – specifically, the 2009 conference theme of The Power of Partnerships. The Executive Conference Committee (see page 94 for details on the ECC) simplified the number of strands and threads at the conference while still trying to include all aspects of environmental education and as many people as possible representing the diverse world of EE. Some of the new initiatives include a 20 minute traditional presentation format, reducing symposiums and hands-on formats to 1 hour and 20 minutes, and limiting the number of other presentations happening in the convention center during roundtable presentations. In addition, Strand Leaders were encouraged to combine presentations into panel discussions creating an opportunity for similar or divergent approaches to present together. Also new for this year is a film category.

As you “Shuffle off to Buffalo” we want to highlight some projects that have been happening in preparation for the conference.

• A Rain Barrel Decoration Competition among local Western New York K-12 students was held in April. You will see some of the rain barrels around the convention center; keep an eye out for them!
• A community service project was created to offset carbon locally as part of a project called Re-Tree Western NY.
• “Green It and Mean It”, founded in Buffalo to “green” aspects of the city’s tourism industry, helped to make these efforts possible:
  – A rooftop garden at the Hyatt
  – Composting at the Hyatt and the Buffalo-Niagara Convention Center
  – Use of compostable flatware, cups, and plates for non plated meals at the convention center
  – An agreement to work with the NAAEE Conference Manager to source food from the local farming community
  – Donation of excess hotel room toiletries to city missions, shelters, and crisis centers

We would like to thank all of the sponsors, local agencies and organizations, and of course, NAAEE and NYSOEA board members and NAAEE staff who have strived to make this a fun and successful conference. We hope you leave full of renewed energy and inspiration for your environmental education programs.

Please seek us out during the conference, give us your feedback, and let us know if you have any questions!

MaryLynne Malone
President NYSOEA

Jessica Olenych
Common Ground Educational Consulting

Betsy Ukeritis
New York State Department of Environmental Conservation

Aaron Morehouse
Columbia Gorge Ecology Institute
Prescott College
The New York State Outdoor Education Association (NYSEOA) is the professional membership organization supporting outdoor, environmental education, and interpretive services in New York State since 1968. Although widely thought of as metropolitan, New York has some awesome wilderness too. We are fortunate to have a great diversity of landscapes in New York including the Atlantic Ocean, two Great Lakes, the Finger Lakes, the Adirondack Mountains, the Catskill Mountains, and the Thousand Islands. We have chasms and waterfalls, including a world-famous one only minutes away from the Buffalo-Niagara Convention Center! Whether you are up for nightlife or a little peace and quiet, we hope that you get an opportunity to visit us at the Welcome to New York table located in the lobby of the convention center and learn how you can discover New York’s art, history, music, natural history, crafts, food, wine, and fun during your visit.

Please complete the conference evaluation

We want to hear from you!

Help us to continue to improve your conference experience by completing the 2010 evaluation at www.naaee.org/conference/evaluation. Your feedback will be used to make changes to future conferences.

Putting on a conference is a grand undertaking. Volunteers begin working two years out and some are still involved when the show goes on! As conference organizers managing not one but three conferences simultaneously (NAAEE plans three years out), we understand that not all of your experiences may be enjoyable. We try our best to satisfy everyone, but inevitably problems occur. If you have constructive suggestions, please come talk to us in the office at the convention center, or call us at a later date and let’s talk about it. We want to ensure that everyone’s experience is highly enjoyable! Thank you!
August 18, 2010

Ms. Bridget Chisholm
2000 P Street NW Suite 540
Washington, DC 20036

Dear Ms. Chisholm:

I am pleased to offer this letter of support on behalf of the City of Buffalo to host the 39th Annual North American Association for Environmental Education (NAAEE) Conference from September 29, 2010 to October 2, 2010.

Based on our rich history and ethnically diverse citizenry, the City of Buffalo, known as the “City of Good Neighbors,” would be an ideal destination for this event. Buffalo is home to one of the greatest Frederick Law Olmsted parks systems in the world. We have the finest building of masters like H.H. Richardson, Louis Sullivan, and Frank Lloyd Wright – even City Hall is a historic landmark. Our Albright-Knox Art Gallery has one of the finest modern art collections in the United States. We’re also home of the Michigan Avenue Baptist Church, one of many stops on the Underground Railroad, and the Nash House, the home of the late Rev. Jesse E. Nash who was involved in the founding of the Niagara Movement, the forerunner to the NAACP. And Niagara Falls, one of the seven natural wonders of the world, is 20 minutes away.

I am sure that you will enjoy our beautiful waterfront, and invite you to take in some of our city’s many other attractions. Buffalo was named Top Mid-Sized Arts Destination City in 2008 for our architecture, arts and cultural institutions. And our food is one of a kind; it is the home to the world famous chicken wings and beef on weck.

Thank you for your consideration. We hope you will choose Buffalo, New York for this event.

Sincerely,

Byron W. Brown
Mayor
**Conference Overview**

### Tuesday, September 28
- **8:00 AM – 5:00 PM** NAAEE BOD Meeting (Boardroom - Hyatt)
- **9:00 AM – 5:00 PM** Research Symposium (Regency & Grand Ballrooms - Hyatt)
- **5:00 PM – 6:30 PM** NAAEE Office Open (Elliott Room - Hyatt)
- **5:00 PM – 6:30 PM** Registration Desks Open (Convention Center Lobby)
- **5:30 PM – 7:00 PM** Research Symposium Reception

### Wednesday, September 29
- **8:00 AM – 5:00 PM** NAAEE Office Open (Elliott Room - Hyatt)
- **8:00 AM – 7:00 PM** Registration Desks Open (Convention Center Lobby)
- **8:00 AM** Coffee for Wednesday Workshop Participants (Convention Center Lobby)
- **8:00 AM – 5:00 PM** NAAEE Board Meeting (Boardroom - Hyatt)
- **8:30 AM – 4:00 PM** Wednesday Workshops (Convention Center) (see page 33 for room)
- **9:00 AM – 5:00 PM** Research Symposium (Regency & Grand Ballrooms - Hyatt)
- **12:00 PM – 1:30 PM** Lunch for Wednesday Workshop and Research Symposium Participants (Convention Center Ballroom)
- **5:30 PM – 7:00 PM** Share Fair (Convention Center Lobby)
- **5:45 PM – 6:15 PM** New Member Welcome (106-B)
- **6:00 PM – 7:00 PM** Various Receptions (see page 33 for details)
- **7:10 PM – 9:30 PM** Opening Ceremony with Tom Chapin Performance (Convention Center Exhibit Hall South) (see page 10 for details) (dinner included with conference registration)

### Thursday, September 30
- **7:30 AM** Coffee Carts Open; Thank you Nature’s Path Foods for Donating the Granola!
- **7:00 AM – 8:15 AM** CCC Breakfast (Convention Center Ballroom)
- **8:00 AM – 7:00 PM** Registration Desks Open (Convention Center Lobby)
- **8:00 AM – 11:30 AM** NAAEE Office Open (Elliott Room - Hyatt)
- **8:30 AM – 11:45 AM** Concurrent Sessions (see pages 34-45 for details)
- **12:00 PM – 1:45 PM** Plenary Panel (Convention Center Exhibit Hall South) (see page 10 for details) (lunch for sale at convention center concessionaire)
- **1:30 PM – 5:00 PM** NAAEE Office Open (Elliott Room - Hyatt)
- **2:00 PM – 4:45 PM** Concurrent Sessions (see pages 45-51 for details)
- **3:30 PM – 8:30 PM** Exhibit Fair Open (Convention Center Exhibit Hall North) (see pages 54-55 for details)
- **5:00 PM – 6:30 PM** Lois Gibbs (Convention Center Exhibit Hall South) (see page 10 for details)
- **6:30 PM – 8:30 PM** Exhibit Hall Opening Celebration & Dinner (Convention Center Exhibit Hall North) (dinner included with conference registration) (see pages 54-55 for details)

### Friday, October 1
- **7:00 AM** Coffee Carts Open; Thank you Nature’s Path Foods for Donating the Granola!
- **7:00 AM – 8:15 AM** CCC Meetings (Convention Center; see pages 24-25 for details)
- **8:00 AM – 7:00 PM** Registration Desks Open (Convention Center Lobby)
- **8:00 AM – 11:00 AM** NAAEE Office Open (Elliott Room - Hyatt)
- **8:30 AM – 11:45 AM** Concurrent Sessions (see pages 58-68 for details)
- **11:00 AM – 7:00 PM** Exhibit Fair Open (Convention Center Exhibit Hall North) (see pages 54-55 for details)
- **11:00 AM – 1:30 PM** Authors’ Corner (Convention Center Exhibit Hall North) (lunch for sale at convention center concessionaire) (Dessert Buffet included with conference registration) (see page 59 for details) Thank You Disney Planet Challenge for sponsoring the Dessert Buffet
- **12:15 PM – 1:15 PM** CCC Meetings (Convention Center; see pages 24-25 for details)
- **1:30 PM – 5:00 PM** NAAEE Office Open (Elliott Room - Hyatt)
- **1:30 PM – 4:20 PM** Concurrent Sessions (see pages 68-73 for details)
- **4:30 PM – 5:30 PM** CCC Meetings (Convention Center; see pages 24-25 for details)
- **5:30 PM – 7:00 PM** Stapp Scholarship Live Auction & Reception (drinks and appetizers included with conference registration) (see page 56 for details)
- **7:30 PM – 9:00 PM** Sponsor & Donor Thank You (Bijou Grille; invitation only)

### Saturday, October 2
- **7:30 AM** Coffee Carts Open; Thank you Nature’s Path Foods for Donating the Granola!
- **8:00 AM – 2:00 PM** CCC Meetings (Convention Center Lobby)
- **8:00 AM – 11:00 AM** NAAEE Office Open (Elliott Room - Hyatt)
- **7:30 AM – 4:20 PM** CCC Meetings (Convention Center; see pages 74-83 for details)
- **8:45 AM – 9:15 AM** NAAEE Business Meeting (Convention Center 101-E)
- **9:30 AM – 11:15 AM** Concurrent Sessions (see pages 74-83 for details)
- **11:30 AM – 1:30 PM** Awards Luncheon with a keynote by Chief Oren Lyons (Convention Center Exhibit Hall South) (lunch included with conference registration) (see page 11 for details)
- **1:45 PM – 3:30 PM** Concurrent Sessions (see pages 83-87 for details)
- **1:45 PM – 5:00 PM** NAAEE Office Open (Elliott Room - Hyatt)
- **3:45 PM – 5:30 PM** CCC Meetings (Convention Center; see pages 24-25 for details)
- **5:30 PM** President’s Reception (Hyatt; invitation only)
- **7:30 PM** Closing Networking Celebration and Dinner (see page 26 for details)

### Sunday, October 3
- **7:00 AM** Coffee Carts Open; Thank you Nature’s Path Foods for Donating the Granola!
- **8:00 AM – 11:00 AM** NAAEE Office Open (Elliott Room - Hyatt)
- **8:00 AM – 11:45 AM** Concurrent Sessions (see pages 58-68 for details)
- **11:00 AM – 7:00 PM** Exhibit Fair Open (Convention Center Exhibit Hall North) (see pages 54-55 for details)
- **11:30 AM – 1:30 PM** Authors’ Corner (Convention Center Exhibit Hall North) (lunch for sale at convention center concessionaire) (Dessert Buffet included with conference registration) (see page 59 for details) Thank You Disney Planet Challenge for sponsoring the Dessert Buffet
- **12:15 PM – 1:15 PM** CCC Meetings (Convention Center; see pages 24-25 for details)
- **1:30 PM – 5:00 PM** NAAEE Office Open (Elliott Room - Hyatt)
- **1:30 PM – 4:20 PM** Concurrent Sessions (see pages 68-73 for details)
- **4:30 PM – 5:30 PM** CCC Meetings (Convention Center; see pages 24-25 for details)
- **5:30 PM – 7:00 PM** Stapp Scholarship Live Auction & Reception (drinks and appetizers included with conference registration) (see page 56 for details)
- **7:30 PM – 9:00 PM** Sponsor & Donor Thank You (Bijou Grille; invitation only)
Wednesday, September 29 at 7:10 PM

The afternoon receptions on Wednesday will be a good beginning for our 2010 NAAEE conference. As a prelude for the coming week, learn from people engaged in environmental education by socializing and interacting with one another. The lights will go down at 7:10 PM so be ready for the grand opening! The evening will provide us with an exhilarating vision of the field of environmental education. The first night will excite your senses as we anticipate NAAEE’s challenging and exciting future. Share in the successes toward making environmental education an active verb, where children and adults explore and are engaged in the natural world. Grammy Award Winner Tom Chapin will close the night with music and song that will unite us while renewing and rousing our environmental spirit.

Thursday, September 30 at 12:00 PM

What Educators Need to Know about Green Construction and Design

What makes architecture, landscape architecture, a building, or a large development “green”? Learn about the future of design, development, buildings, and communities from three experts who are providing their leadership so we can see the future and emulate their projects.

Grant Jones of Jones & Jones Architects and Landscape Architects
Syd Kitson of Kitson & Partners
Linda Sorrento of the US Green Building Council

Thursday, September 30 at 5:00 PM

Lois Gibbs, founder of the Center for Health, Environment & Justice, speaks just before the Exhibit Fair Opening Celebration and Dinner.

Lois Gibbs founded CHEJ after winning the nation’s first community relocation of 900 families due to a leaking toxic waste dump in Love Canal, New York. Through this effort she also woke up the nation to recognize the link between people’s exposures to dangerous chemicals in the community setting and serious public health impacts.
Friday, October 1  **THERE WILL BE NO PLENARY SESSION.**

Be sure to stop in the exhibit hall at the end of the day for drinks and snacks while you peruse the Stapp Scholarship silent auction items and possibly bid on a handful of luxury live auction items (see page 56 for more details on the auction event). The evening festivities end at 7:00 pm leaving you time to explore Buffalo’s fabulous restaurant scene. Learn more about the varied dining opportunities in Buffalo at [www.visitbuffaloniagara.com/visitors/dining/](http://www.visitbuffaloniagara.com/visitors/dining/) or visit the Welcome to Buffalo table in the lobby of the convention center.

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**Saturday, October 2 at 11:30 AM**

The NAAEE Annual Awards Luncheon takes place over a served vegetarian lunch, and during dessert **Chief Oren Lyons**, Faithkeeper of the Turtle Clan, and a member of the Onondaga Nation Council of Chiefs of the Six Nations of the Iroquois Confederacy (the Haudenosaunee), will address the plenary.
Thank you $15,000 Sponsor
Discover Youth in the Great Outdoors

Youth in the Great Outdoors (YGO) is making connections to nature for youth through the U.S. Fish and Wildlife Service (FWS) under the Department of the Interior (DOI).

Goals for YGO are to engage, educate and employ youth from all walks of life to care about our lands, waters, wildlife, culture, and heritage. YGO will encourage talented, capable youth to enter public service in natural resources.

Outreach to youth through educators, guidance counselors, partnerships, community leaders, and families is an integral part of YGO.

YGO Resources

NAAEE Careers and Young Professionals is a partnership between FWS and NAAEE to promote career opportunities in environmental education to young professionals. This project will use NAAEE conferences to provide opportunities for mentoring, career workshops and fairs, employment-themed workshops, and professional networking.

http://www.naeee.org

Educator Career Awareness Institute is a pilot program that will provide educators with training for advising students about conservation career opportunities.

Contact Julie_Study@fws.gov

The Youth in the Great Outdoors Network Portal is a conservation education web portal designed to share environmental education and conservation career resources with natural resource professionals, educators, teachers, mentors, and parents/guardians. The portal is scheduled to launch in December 2010 on the YGO website: http://www.doi.gov/whatwedo/youth

Contact William_McWilliams@fws.gov

Neighborhood Explorers Interactive Website is a fun way for youth 8-11 to explore their neighborhood and conservation careers. They become familiar with ecosystems and wildlife on their computer; then, go outside to discover what they’ve learned.

http://www.fws.gov/neighborhoodexplorers

Engage, Educate, and Employ
Come to the forest.
Where the Other You Lives.

THANK YOU $15,000 SPONSOR
Connecting Children and Families with Nature
And Inspiring Passion for the Land

The USDA Forest Service
Conservation Education Program

The USDA Forest Service’s Conservation Education program (CE) strives to provide today’s students with a meaningful outdoor experience and a sense of wonder. With CE’s help, students across the country have participated in hands-on learning experiences and have strengthened their critical thinking skills. Educational tools and programs such as National Inquirer, GreenSchools, Forest for Every Classroom, Discover the Forest campaign, and CE’s Climate Change Education have allowed adults and children alike to build connections to forests, grasslands, and other related natural resources.

Students today hold the key to the future conservation of the environment. It is the mission of the Conservation Education program and its partners to ensure that students are able to meet the environmental and health challenges of our nation and to make well informed decisions.

Join the Forest Service and Participate at...

Sept 29, Wednesday:
7:30am-6:00pm: Peterson & Allegheny: A Visit to Roger Tory Peterson Institute & Allegheny National Forest. Transportation from the Hyatt Regency (Note: Pre-registration is needed for attending this event)

Sept 30, Thursday:
8:30am-9:15am: I Have a Salmon Tent...Now What? Room 106-D

4:00pm-4:45pm: Pollinator Live A Distance Learning Adventure. Room 103

6:30pm-8:30 pm: Changing Roles in the Southern United States. Exhibit Hall North

6:30 pm-8:30 pm: Nature Journaling: A Personal Connection with the Natural World. Exhibit Hall North

Oct 1, Friday:


2:00am-1:15pm: Live School Assembly Presentation: Where is the Great Outdoors? Room 101 D

2:30pm-3:15pm: Exploring the Use of Fine Arts in Conservation Education Delivery. Ballroom

Oct 2, Saturday:
9:30am 10:50am: Can You Wildfire Education Lead to Fire-Adapted Human Communities? Ballroom

9:30am 10:15am: Theatre, Music and Bats in a Gum Tree/ Where is the Great Outdoors? Room 101-E

For more EE resources, visit us at www.fs.usda.gov/conservationeducation
Conference Planning Can Be Environmental Education

The conference industry is second only to the construction industry in landfill waste and energy consumption. A few examples that only brush the surface include carpet in exhibit halls that goes to the landfill after it gets rolled out five times; heating, cooling, and lighting sleeping rooms for thousands of nights and 130,000 square feet of meeting and exhibit hall space; disposable waste from meals ‘to go’; asking for strawberries to be shipped in for a northeast conference in early fall; and the air miles flown, rail lines crossed, and miles driven by participants. But let’s be real—face to face meetings and conferences are not going away and they shouldn’t. There is an exchange of ideas and camaraderie at a face to face event that will never be replicated virtually.

So What Can NAAEE Do?

NAAEE believes there is a lot that can be done: no carpet in the exhibit hall until we find a closed loop vendor (a vendor that takes back the carpet they produce and recycles it into more exhibit hall carpeting); encouraging exhibit hall vendors to limit giveaways and fining them if they leave boxes of items behind; eating locally and seasonally; serving a vegetarian option at the Saturday Awards Luncheon (see page 76 for more information); donating $5.00 of every Full Conference registration to a local carbon off-set provider (see page 56 for more information); finding a name badge vendor that offers eco-products such as name tags that don’t require plastic holders and are recyclable; and making sure convention centers and hotels are composting their compostables!

NAAEE gets the ball rolling early in the planning process with a Request for Proposals that requires all of the above and more from the cities that want our business. If a city is interested in establishing some of the efforts we propose in order to get our business, NAAEE becomes their partner and helps with the process. For example, we were delighted when the chef at the Hyatt spent a year composting and weighing his kitchen waste so he could prove to upper management that composting creates a cost savings. As a result the Hyatt has established an in-house composting program and other establishments in Buffalo are following their lead. In fact, the city of Buffalo is very close to establishing a city-wide composting program! Another example was when the chef at the convention center embraced the idea of eating seasonally and worked with us to create a locally sourced menu that meets NAAEE’s requirements. We have even seen cities add alternative fuel buses to their routes when they heard we required them. Many of the programs implemented for the NAAEE conference continue on long after we leave the area. Thank you for helping to make our conference an environmental education for cities in North America!

What More Can You Do?

• Ride Metro Rail (all routes above ground in Buffalo are free).
• Take the public bus to and from the airport or around town.
• Carpool to our conferences. Use the electronic bulletin board on our Web site to help find someone to share a ride or a room. We have also partnered with Viamerge this year to help attendees connect and arrange their travel with others from the same part of the country.
• Use your own mug, water bottle, and tote bag. NAAEE will not be distributing tote bags this year. Coffee mugs and water bottles are for sale in the NAAEE Office (Hyatt Hotel Ellicott Room).
• Remember to hang towels in your hotel room so you don’t get a new set, and know that your sheets will not be washed until you have been in the room three days. If you are OK with them not being washed for your entire stay, please advise housekeeping.
• Consider adopting some of the practices you learn here for your next meeting or conference.
The back of your nametag shows multiple categories of items you may or may not have purchased with your registration. If the category is blank, then you did not register for any items. If you have questions or feel an error has been made please come to the NAAEE Office (Ellicott Room - Hyatt Hotel)

**Registration Type**
- **RS**=Research Symposium
- **Full**=Wednesday night –Saturday afternoon
- **Thursday**=Thursday, September 30, only
- **Friday**=Friday, October 1, only
- **Saturday**=Saturday, October 2, only

**Workshops**
If you have registered for a workshop, the number of the workshop from the registration brochure will be shown here. For example: #10 = Affiliate Workshop

**Field Experiences**
If you have registered for a field experience, the letter of the field experience from the registration form will be shown here. For example: H = Niagara River Canoeing

**Event RSVPs**
If the any of the following appear on your tag, then you have confirmed your attendance at that event.
- **T**=Tuesday Research Symposium reception
- **W**=Wednesday night opening plenary and performance
- **Th(Plen)**=Thursday mid-day plenary
- **Th(ExH)**=Thursday night exhibit hall opening and dinner
- **F(AC)**=Friday Authors’ Corner and dessert buffet
- **F(SA)**=Friday night Stapp Live Auction and Reception
- **S(NYSOEa)**=Saturday NYSOEA breakfast
- **S(AL)**=Saturday awards luncheon

If you would like to attend an event for which you did not RSVP, please come to the NAAEE office (Ellicott Room - Hyatt). Space is limited for these events.

**Purchased Event Tickets**
If you purchased tickets for any of the above events, it will be indicated in this area. See codes above. No paper tickets will be distributed; name badges will be checked at the entrance to these events. If you would like to purchase “tickets”, please come to the NAAEE office (Ellicott Room - Hyatt). Space is limited for these events.

**Saturday Closing Event Tickets**
- **Yes**=You pre-purchased tickets to Saturday night’s Closing Networking Event at Babeville. No paper tickets will be distributed. If you would like to purchase a “ticket” for this event, please come to the NAAEE office (Ellicott Room – Hyatt).

**Miscellaneous**
- **Share Fair**=Your organization has a table reserved for Wednesday evening’s Share Fair
- **Bottle**=You pre-purchased an NAAEE water bottle
- **Mug**=You pre-purchased an NAAEE travel mug

Water bottles and mugs are available for purchase in the NAAEE office (Ellicott Room - Hyatt).
Online Courses
for Professional Development in
Environmental Education

- Fundamentals of EE
- Making EE Relevant for Culturally Diverse Audiences
- Applied EE Program Evaluation
- Strategic Planning and Implementation
- Coming Soon: Needs Assessment in EE

Register for Spring 2011 classes by January 3rd
Learn More at www.uwsp.edu/natres/eetap/

You can finally have that Master’s degree you always wanted
(and you don’t even have to leave home to get it)

This 100% online Master’s degree program in Environmental Education and Interpretation allows you to:

- Maintain your full-time job
- Take courses relevant to your current position
- Increase your capacity for professional advancement
- Complete your degree without traveling to campus
- Improve your knowledge, skills and abilities for delivering effective EE/I programming.

To learn more, stop by Booth #41
or go to https://campus.uwsp.edu/sites/cnr-ap/omseei

University of Wisconsin - Stevens Point
The Environmental Education and Training Partnership (EETAP) is a national leader in the delivery of environmental education training for education professionals. EETAP supports a wide array of services and resources for education professionals and is committed to ensuring that educators serving ethnically diverse and low-income communities benefit from and actively participate in education that advances student learning and environmental literacy. EETAP’s objectives are to:

1: Build the understanding and skills needed to create comprehensive and sustainable EE programs at the state and local level,

2: Enable educators and decision makers to effectively use EE as a tool for improving teaching and learning and achieving a healthy and sustainable environment, and

3: Promote quality EE that is scientifically accurate, pedagogically sound, and responsive to community needs by improving educator access to EE programs, materials, and information.

EETAP is a partnership of nine organizations that are nationally recognized leaders in environmental education, education and professional development. They include ASCD, Council for Environmental Education, National Audubon Society, North American Association for Environmental Education, American Forest Foundation/Project Learning Tree, Project WET, United States Fish and Wildlife Service/National Conservation Training Center, The University of Oregon, and University of Wisconsin-Stevens Point (UWSP).

Each partner works with national, regional, state, and local groups to accomplish EETAP’s professional development and capacity building objectives through 12 activities. The activities focus on efforts such as:

• Development and delivery of on-line professional development courses,
• Developing a Trainer’s Bureau for the National Guidelines for Excellence
• Building the EE capacity of NAAEE State Affiliates and Training Partner Coordinators
• Expanding state EE certification and developing an accreditation program
• Helping increase the capacity of environmental educators to work with diverse audiences

UWSP serves as the managing partner under a cooperative agreement with U.S. EPA's Environmental Education Division, which provides two-thirds of the funding for project. EETAP partners provide the other third.

For additional information about EETAP activities, partners, services, and resources visit: www.eetap.org. You are invited to learn more about EETAP accomplishments at the following session:

**Highlights of EETAP3 Accomplishments (2005-2010)**
Thursday, September 30th from 4:00pm - 4:45pm
Buffalo-Niagara Convention Center (BNCC)/109
Through the Environmental Education and Training Partnership (EETAP), NAAEE has developed these projects that will strengthen and expand the EE profession.

**CAPACITY BUILDING FOR AFFILIATES**

Wednesday, September 29 | 8:30 AM - 4:00 PM | 106-A

**AFFILIATE WORKSHOP**

Presenter: Gary Heath

Coordinator: Jonathan Mueller

Perplexed by ELPs or do you have the “Cadillac” of plans in your state? Fighting to bring the right groups to the table, or happily meeting with your elected officials? Either way, this workshop, planned by Affiliates, is for you! Workshop ~ Preregistration required.

**EE CERTIFICATION**

Friday, October 1 | 8:30 AM - 9:50 AM | 105

**CERTIFICATION 101: DEVELOPING AN EE CERTIFICATION PROGRAM FOR YOUR STATE, REGION, OR PROVINCE**

Presenters: Brenda Weiser, NAAEE Certification Advisory Council chair, Tom Marcinkowski (Florida Institute of Technology), CAC Secretary; Katie Navin (Colorado Alliance for Environmental Education). Elena Takaki (National Geographic); Andree Walker (USEE), Libby Wilcox (NC Office of Environmental Education)

Interested in organizing a certification program? Experienced certification program representatives will talk with you about how they determined what operational and administrative elements best suit the needs of their stakeholders. Find a model to help you develop your own program.

Friday, October 1 | 9:30 AM - 10:50 AM | Ballroom

**AXIOMS FOR ENVIRONMENTAL EDUCATION**

Presenter: Donny Roush, The Odyssey School

Education requires communication. As communicating is a skills-based process, we can learn to do it better. More clearly. More effectively. With wider and deeper impacts. We offer a helpful set of principles for better communications.

Friday, October 1 | 10:00 AM - 11:15 AM | 105

**DEVELOPING A FINANCIAL PLAN FOR AN EE CERTIFICATION PROGRAM**

Moderator: Libby Wilcox (NC Office of Environmental Education), Presenters: Elena Takaki (National Geographic), Andree Walker (USEE)

Take home everything needed to develop a financial plan for your state’s EE certification program. Information will include a financial plan framework, budget templates, and fund development strategies. Bring your organization’s budget to participate in this hands-on session.

Friday, October 1 | 1:30 PM - 2:15 PM | 105

**ASSESSMENT AND EVALUATION OF EE CERTIFICATION PROGRAMS 101**

Presenter: Tom Marcinkowski (Florida Institute of Technology)

Learn why assessment and evaluation are important aspects of an EE Certification program and what you should consider when determining what will work best for your state, region, or province.

Friday, October 1 | 2:30 PM - 3:15 PM | 105

**ASSESSMENT AND EVALUATION OF EE CERTIFICATION PROGRAMS 102**

Presenters: Tom Marcinkowski (Florida Institute of Technology) and Katie Navin (Colorado Alliance for Environmental Education). Elena Takaki (National Geographic); Andree Walker (USEE), Libby Wilcox (NC Office of Environmental Education)

Hear from experienced certification program representatives how they are using assessment and evaluation techniques in their programs, what they are learning about their certification candidates, and how they are using evaluation data to improve their programs.

Friday, October 1 | 3:30 - 4:15 PM | 105

**HOW TO GET YOUR LOCAL EE CERTIFICATION PROGRAM ACCREDITED BY NAAEE**

Presenters: Brenda Weiser (University of Houston – Clear Lake), NAAEE Certification Advisory Council chair; Tom Marcinkowski (Florida Institute of Technology), CAC Secretary; Sue Bumpous (NAAEE)

Have an EE Certification program? Interested in being Accredited by NAAEE, but wonder how? Come to this session for a copy of the application for NAAEE’s new accreditation process and discussion of the details.

Saturday, October 2 | 7:30 AM - 8:30 AM | 102

**CERTIFICATION ADVISORY COUNCIL MEETING**

Chaired by: Brenda Weiser (University of Houston, Clear Lake)

CAC members and invited guests will discuss the Friday certification sessions and plans for accreditation of EE certification programs in 2011.

**GUIDELINES FOR EXCELLENCE**

Wednesday, September 29 | 5:45 PM – 7:00 PM | 104

**GUIDELINES TRAINERS’ BUREAU RECEPTION**

Are you a member of the Guidelines Trainers’ Bureau? Come join us for an opportunity to learn about future activities, the publication of the Early Childhood Environmental Education Guidelines, and network with others from across the country.

Friday, October 1 | 8:30 AM - 9:15 AM | 107

**ENVIRONMENTAL EDUCATION FOR YOUNG CHILDREN: GUIDELINES FOR EXCELLENCE**

Presenters: Bora Simmons; Ed McCrea, EECG

What are the key characteristics of quality early childhood environmental education programs and materials? The National Project for Excellence in Environmental Education is proud to announce a new publication focusing on early childhood environmental education. Come hear about the project.

Friday, October 1 | 3:30 PM - 4:20 PM | 101-A

**WHAT EVERY CITIZEN SHOULD KNOW: ENVIRONMENTAL LITERACY**

Presenters: Bora Simmons, Frank Niepold (NOAA/UCAR), Mark McCaffrey (CIRES- CU-Boulder), Roberta Johnson (UCAR), Scott Carley (College of Exploration), Don Duggan-Haas (The Paleontological Research Institution and its Museum of the Earth), Nicole LaDue (Michigan State University)

Starting with NAAEE’s Guidelines for Excellence (K-12) environmental literacy framework, explore Earth System Literacy Principles for climate, ocean, atmosphere, and earth science and their interconnections. Discover essential elements important for guiding your 21st century EE programs and plans.

Saturday, October 2 | 9:30 AM - 10:50 AM | 101-F

**ENERGY, ENVIRONMENTAL, AND EARTH SCIENCE “LITERACY” – WHAT TYPE IS MOST IMPORTANT?**

Presenters: Susan Powers (Clarkson University), Jan DeWaters (Clarkson University), Nicole LaDue (Michigan State University), Bora Simmons

There are many types of science literacy that can be folded into environmental education, depending on one’s focus. In this session, four presenters will show how this is done with the topics of energy, environmental, and earth science literacy.
PRE-SERVICE EDUCATION

Thursday, September 30 | 8:30 AM - 4:30 PM | Hyatt Regency Delaware B
WORKSHOP: EE STANDARDS TRAINING FOR NCATE ACCREDITATION
Presenters: Margie Crutchfield (NCATE) and Pre-Service Advisory Council members – Joe Baust (Murray State University), Billy Bennett (Eastern Kentucky University), Fletcher Brown (University of Montana), Courtney Crim (UT San Antonio), Blanche Desjean-Perrotta (UT San Antonio), Christine Moseley (UT San Antonio), Bora Simmons, Terry Wilson (Western Kentucky University)
Strategies for incorporating EE standards into pre-service education, sample assessments, activities, and exemplary models needed to meet the US national EE standards adopted by NCATE. Workshop ~ Preregistration Required

Thursday, September 30 | 9:30 AM - 10:50 AM | Ballroom
WHAT’S HAPPENING IN HIGHER EDUCATION?
Presenter: Teresa Coker (Green Mountain College), Himanshu Gopalan (Winston-Salem State University)
Come learn about innovative ways various colleges are incorporating EE in and outside the classroom through service learning, campus sustainability efforts, and student organizations and initiatives.

Friday, October 1 | 11:00 AM - 11:45 AM | 101-G
MAKING A CASE FOR EE IN ACADEMIA
Presenters: Molina Walters (Arizona State University), Teresa Coker (Green Mountain College)
How do you promote EE at your university? What current EE statistics and trends are available to help you gain support for an EE course, certificate, or concentration? This session shares tips how others promoted and implemented EE at universities.

Friday, October 1 | 4:30 PM - 5:30 PM | 109
PRE-SERVICE ADVISORY COUNCIL MEETING
Co-Chairs: Christine Moseley (UT San Antonio) and Blanche Desjean-Perrotta (UT San Antonio)
Pre-Service Council members and invited guests will discuss the Thursday workshop and other higher education sessions, and confirm direction for the Council’s work in 2011.

Saturday, October 2 | 2:45 PM - 3:30 PM | 101-F
LEVERAGING PRE-SERVICE TEACHER EDUCATION PROGRAMS TO INCLUDE EE
Presenters: Terry Wilson (Western Kentucky University), and Bora Simmons
NAEEE’s Standards for the Initial Preparation of Environmental Educators, approved by NCATE in 2007, impact pre-service teacher education in the U.S. NCATE’s review process is changing. How can NAAEE recognize non-NCATE institutions? Learn about how these initiatives affect your institution.

OTHER EETAP PARTNER PRESENTATIONS

Wednesday, September 29 | 8:30 AM - 4:00 PM | Convention Center Lobby
ENVIRONMENTAL JUSTICE AND SUSTAINABLE ACTION TOUR OF BUFFALO: PERSPECTIVES FROM THE GROUND UP
Presenters: Shefali Shah (A.S. and Associates), David Ruble (VA DEQ)
Coordinator: Lisa Bardwell (Earth Force)
Join a tour exploring social justice issues in Buffalo and EE’s role in addressing them. Tour locations along the Buffalo Niagara River: hazardous waste and superfund sites. Discuss human impacts. Workshop ~ Preregistration Required

Thursday, September 30 | 9:30 AM - 10:50 AM | Ballroom
TOOLS OF ENGAGEMENT: USING SOCIAL STRATEGIES TO REACH CONSERVATION GOALS
Presenter: Judy Braus, Mary Ford
Join us for a participatory introduction to the EETAP funded Tools of Engagement, which provides resources and research to help conservation professionals integrate education and other social strategies (such as social marketing and communication) into conservation planning.

Thursday, September 30 | 2:00 PM - 2:45 PM | 101-F
PROFESSIONAL DEVELOPMENT NEEDS OF FORMAL, INFORMAL, NON-FORMAL EDUCATORS – NATIONAL STUDY
Presenters: Augusto Medina (EETAP)
What professional development is needed by environmental educators who work in formal, informal and non-formal learning settings? Find out what a national study revealed about priorities, gaps, and work needed to advance EE over the next five years.

Thursday, September 30 | 4:00 PM - 4:45 PM | 109
HIGHLIGHTS OF EETAP3 ACCOMPLISHMENTS (2005-2010)
Presenters: Augusto Medina (EETAP), Rick Wilke (UW-SP)
Between 2005/2010 EETAP3 delivered environmental education training and support to over 40,000 education professionals. Find out about this and EETAP3’s other major achievements. The session will highlight EETAP3’s efforts to advance professional development, environmental education and reach diverse audiences.

Friday, October 1 | 9:30 - 10:50 AM | Ballroom
A GUIDE TO THE MARKETING AND DEVELOPMENT ON AN ONLINE M.S. DEGREE
Presenters: Dr. Richard Wilke and Lesley Sheridan
Discuss the purpose, methods, and results of a Web-based consumer research survey of EE professionals, conducted to develop marketing strategies for an online M.S. degree, and have the opportunity to ask questions about the new degree program.

Friday, October 1 | 3:00 - 4:20 PM | 101-C
SOCIO-ECOLOGICAL JUSTICE AND COMMUNITY ENGAGEMENT OPEN SPACE
Presenters: Augusto Medina (EETAP)
Share your perspectives about socio-ecological justice and community engagement. Using a participant driven process, examine what it means to be locally responsive to place and culture and explore how EE addresses global issues like climate change and environmental injustice.

Friday, October 1 | 3:00 - 4:20 PM | 101-C
SOCIO-ECOLOGICAL JUSTICE AND COMMUNITY ENGAGEMENT OPEN SPACE
Presenters: Augusto Medina (EETAP)
Share your perspectives about socio-ecological justice and community engagement. Using a participant driven process, examine what it means to be locally responsive to place and culture and explore how EE addresses global issues like climate change and environmental injustice.

Saturday, October 2 | 9:30 AM - 10:15 AM | 101-D
EARLY CHILDHOOD EE OPPORTUNITIES: PROJECT LEARNING TREE AND GROWING UP WILD
Presenter: Marc LeFebre and John Tyson (Council for Environmental Education), Al Stenstrup and Jackie Stallard (Project Learning Tree)
Join us for a session that gives an overview of early childhood learning opportunities through Project Learning Tree and Growing Up WILD.

RESOURCE REVIEW

Friday, October 1 | 3:45 PM - 5:30 PM | 105
RESOURCE REVIEW ADVISORY COUNCIL MEETING
Chair: Lori Mann
Members will review the draft Resource Review online training and discuss program modifications.
OMNI-HEAT: 20% WARMER WHEN APPLIED CORRECTLY.

Omni-Heat is 20% warmer than an ordinary Insing. It dissipates and regulates temperature so you don’t get overheated. That’s because it’s made with a patent pending silver dot pattern that reflects your heat back to you. All you have to do is put it on. Visit columbia.com/omniumheat to see the warmest jackets tested by some of the coldest people in the Greater Outdoors.

Proud Sponsors of the NAAEE’s 39th Annual Conference.

Disney Planet Challenge

A FREE highly-acclaimed, project-based learning environmental competition for grades 3-8

Cross-curricular lesson plans designed to meet individual state standards

NEW!

ELEMENARY SCHOOL COMPETITION

Disney’s Planet Challenge is now available to 3rd grade classrooms!

3rd, 4th and 5th grade classrooms will compete for a grand prize trip to the Disneyland Resort and many other great prizes!

www.disney.com/planetchallenge

MIDDLE SCHOOL COMPETITION

Disney’s Planet Challenge is now available to all 6th, 7th, and 8th grade classrooms!

Visit disney.com/planetchallenge for more details on the new middle school competition!

imagine YOUR planet
Deb Thrall will present the winners with their prizes at the Awards lunch on Saturday. Please congratulate them on their beautiful work, which will be on display in registration.

**AMATEUR**

**First Place** – Jack Lardis, Beacon Falls, CT
“WFC Summer Camp in Keney Park”

**ADVANCED**

**First Place** – Lisa Russell, Russell Springs, KY
“Reflection”

**Second Place** – Harold Hungerford, Carbondale, IL
“Storm over the Gulf of Mexico”

**Third Place** – Trudi Volk, Carbondale, IL
“Flap-Neck Chameleon Up Close”
Our annual conference is an excellent opportunity for EE professionals to recharge their batteries with new ideas, initiatives, and research results. Commissions, Committees, and Councils provide another opportunity for involvement within NAAEE and help to keep the field, NAAEE, and its members at the cutting edge. Commissions are open to all members – be sure to attend a commission meeting to learn more about how NAAEE members are improving the EE field. Committee and Council membership is by invitation, so please contact the chair if you are interested in participating. A list of Committees and Councils and their chairs is on the NAAEE Web site at http://www.naaee.org/about-naaee/committees-commissions-councils.

WEDNESDAY, SEPTEMBER 29

5:45 PM - 7:00 PM
Guidelines Trainers’ Bureau Meeting & Reception ~ 104
Are you a member of the Guidelines Trainers’ Bureau? Come join us for an opportunity to learn about future activities, the publication of the Early Childhood Environmental Education Guidelines, and network with others from across the country.

FRIDAY, OCTOBER 1

7:00 AM - 8:15 AM
Environmental Justice Commission ~ 103
The Environmental Justice Commission explores the links between Social Justice and Environmental Education. Join the EJ Commission to learn more about the role of Environmental Education in creating whole communities, as well as ways you can become involved with the Commission.

Research Commission Business Meeting ~ 104
The Commission will discuss the 2010 Research Symposium and plan for the 2011 Research Symposium, supporting ongoing development of national/thematic EE research agendas, advancing the summarizing of research, and other topics.

Service-learning Commission ~ 108
Come learn about the Service-learning Commission. We are meeting early in the conference to network and highlight some conference sessions. The commission focuses on exploring and supporting service-learning as a strategy for accomplishing the best practices of environmental education.

12:00 PM - 1:15 PM
International Commission ~ 105
You are invited to an open session of the International Commission. This is a meeting to share our past successes and to discuss the future of the commission in light of them. This session will include a business meeting.

12:15 PM - 1:15 PM
EE Advocacy Committee ~ 103
Reconnect face-to-face with other amazing leaders in the NAAEE Action Network! We’ll recap and celebrate our successes of 2010 and strategize for our 2011 legislative agenda. Come learn about the incredible accomplishments of this committee and how you can get involved. Everyone is welcome.

Sustainability Education Commission ~ 104
Your insight and expertise are needed to shape the direction of the 2011 Sustainability Education Commission (SEC). Our commission seeks fun, creative and action-oriented folks to engage diverse partners in growing the understanding and efforts of sustainability education, communicating more effectively within the SEC, and deepening the integration of sustainability education into the annual conference.

4:30 PM - 5:30 PM
Arts and Culture Commission ~ 103
When Pete Seeger started sailing the Hudson, hosting river clean-ups, he understood that hope and joy are far better energizers for problem-solving than gloom and doom. Music, poetry, literature, crafts, visual arts …. Blending arts and culture with EE harnesses the passions that help motivate understanding, action and change. Join us in supporting this synergistic approach to environmental education.
**Diversity Committee ~ 104**

The Diversity Committee is a standing committee of the Board that helps to implement the inclusion policies of the organization and works to make NAAEE and our field more ethnically diverse. Come join us for our only face-to-face meeting of the year and see how you can be involved in this important work.

**Elementary and Secondary Education Commission ~ 108**

Join us for a meeting of the Elementary and Secondary Education Commission. We are currently focusing on the use of the school grounds as an instructional tool and welcome anyone with an interest in making the outdoors a “natural” part of the school curriculum!

**Pre-Service Advisory Council ~ 109**

Pre-Service Council members and invited guests will discuss the Thursday workshop and other higher education sessions, and confirm direction for the Council’s work in 2011.

**Certification Advisory Council ~ 102**

CAC members and invited guests will discuss the Friday certification sessions and plans for accreditation of EE certification programs in 2011.

**Conservation Education Commission ~ 105**

Join those who work with natural resource agencies and organizations who provide conservation education to youth and adults. Join us at our commission meeting to help shape the direction of the upcoming years.

**Governance Committee ~ 102**

During the Governance Committee annual meeting, we will discuss the implications of NAAEE’s new strategic business plan for our bylaws; as well as explore possible changes to NAAEE policies and procedures, handbooks and related documents.

**Resource Review Advisory Council ~ 105**

Resource Review Advisory Council members will review the draft Resource Review online training and discuss program modifications.

**These photos were taken at the awards presentation of the Niagara River Keeper Rain Barrel Earth Day Competition; students from over 30 New York Schools participated.**
DINNER, DANCING, AND ART AT SATURDAY NIGHT CLOSING NETWORKING CELEBRATION

This year’s event takes place at Babeville, an old church saved from the wrecking ball by singer-songwriter Ani DiFranco. Renovations include a state-of-the-art geothermal heating system, which employs wells 300 feet below the surface of the earth to heat and cool the building. The art exhibit Beyond/In Western New York 2010: Alternating Currents will be open for our enjoyment and a DJ will be spinning tunes for you to dance the night away.

Buffet dinner includes …
Cheese Display
Seasonal Fresh Fruit Display
Cider Poached Pear Salad with locally grown pears, mixed field greens and topped with a cider vinaigrette and gorgonzola cheese
Lightly seasoned seasonal vegetables
Gemelli pasta with a mushroom Alfredo sauce
Organic/Local Herb Roasted Airline Chicken with a natural pan gravy
Dessert
Coffee and Tea

Thank you Tom Towers Farms for growing the fruits and vegetables, Obrien’s Heritage Farms for growing out the chickens, and Yancey’s Fancy for making the artisan cheese.

Getting there:
Babeville is located at 341 Delaware Avenue. Delaware is 2 blocks west of the Hyatt, go north on Delaware from Huron and Babeville is on the right 3/10 of a mile.

You must purchase a ticket to attend this event; it is not included in your conference registration. Tickets are on sale until Thursday at noon in the NAAEE conference office (Ellicott Room at Hyatt Hotel). Tickets for this event are $45.
The National Association for Interpretation's annual workshop features more than 100 concurrent sessions, plus enjoyable and informative keynote speakers, offsite sessions, and special events.

Join NAI in Las Vegas in November!
YOUNG PROFESSIONALS AND STUDENTS MAKE NAAEE THEIR HOME

Over the past several years, NAAEE has seen hundreds of new faces at the conference: young professionals and students choosing NAAEE as their association and provider of professional development. As we approach our 40th anniversary, we continue our dedication to developing the next generation of EE leaders.

Join us on Wednesday evening for the Young Professional/Student reception. Sponsored by the U.S. Fish and Wildlife Service, this year’s reception will feature a speed networking component. Don’t forget your business cards!

Stop by the Young Professional/Student booth in the exhibit hall and participate in our Career Fair. You can drop off your resume, visit with experienced EE leaders, and find out the most important skills to develop. NAAEE is also developing a podcast series for young professionals. What topics should we feature in a podcast? What environmental career would you like more information about? Leave us your great ideas at the booth.

If you are interested in being part of the 2011 Young Professional – Student conference committee, contact Bridget Chisholm, NAAEE Conference Manager.

THANK YOU $10,000 SPONSOR

It’s not just about cars.

It’s also about helping people enrich the quality of life in their communities. That’s why Toyota is proud to support education programs that open doors and create opportunity. From family literacy to K-12th grade education, to higher education and technical and environmental education, Toyota continues to form partnerships with organizations nationwide to make a difference—in classrooms and communities.

www.toyota.com/community
THANK YOU $5,000 SPONSORS

DISCOVER

www.neefusa.org
National Environmental Education Foundation
Knowledge to live by

PROMOTING ENVIRONMENTAL LITERACY

To find out about our scholarships, funding opportunities, and learning resources, please visit the NOAA Education Resource Portal:
www.education.noaa.gov

Energy Smart Students Make a World of Difference

- Free professional development workshops for K-12 teachers and environmental educators on these topics:
  - Energy efficiency at home and school
  - Sustainable living
  - Climate change
  - Solar/Photovoltaics, Wind, Hydrogen, Hydropower, and Biomass

- Free materials and kits for the classroom
- $500 mini-grant opportunities for educators

For more information and to register visit:
www.GetEnergySmart.org, and click on “Energy Education” or call 1-877-NY-SMART, Option ‘G’
NAVIGATING THE DAILY SCHEDULE

We encourage you to use the online program accessible through NAAEE's Web site (http://convention2.allacademic.com/one/haae/haae10/). The online program allows you to view the presenter’s abstract, choose to look only at presentations in a particular strand, in a particular thread, on a particular day, or of a certain presentation type. The daily schedule in this printed program is arranged by presentation type, chronologically, and then grouped by strand. Special events, meetings, and receptions appear on the daily highlights page.

PROPOSAL REVIEW PROCESS

NAAEE opens its Call for Presentations one year before the conference (the 2011 call is now open and waiting for your submission!) and closes the Call on February 1 the year of the conference. Each proposal is peer reviewed by three people who are provided uniform review criteria. Strand leaders work diligently to organize the proposals into panels or symposia, offer alternate presentation formats, and organize the overall look and feel of the strand. This careful process takes almost five months and aims to ensure quality and an overall balance of views. This year, NAAEE received over 550 proposals reflecting a wide range of experiences, perspectives, and research.

THE 9 CONFERENCE STRANDS

To read the complete strand descriptions go to http://www.naaee.org/conference/call-for-presentations.

**Arts, Culture and Spirituality**  
Strand Leader: Laurie Coventry-Payne, Florida Gulf Coast University  
Sessions explore how arts, culture, and spirituality, broadly defined and inclusive of disciplines such as archaeology, architecture, the visual and performing arts, as well as religion and spirituality, can deepen an understanding and appreciation of the natural environment.

**Conservation Education**  
Strand Leader: Sandy Perchetti, US Fish & Wildlife Service  
Sessions address concepts of sustaining meaningful experiences with the outdoors and natural spaces and bringing together the many ways organizations, agencies, businesses, and communities can work together to achieve conservation goals.

**Energy Education and Green Technology**  
Strand Leader: Terri Tuers, New York State Energy Research and Development Authority (NYSERDA)  
Sessions explore how environmental education can be integrated into energy education and how using green technology can impact education.

**Innovative Programs and Practices**  
Strand Leader: Herb Broda, Ashland University  
Sessions explore programs or practices unique or relatively new to a geographic area, the population served, or the type of program typically offered. Sessions showcase groups or organizations that have moved beyond the usual or expected.

**Network and Leadership Development**  
Strand Leader: Sue McGuire, Professional Services for Nonprofits  
Sessions explore strategic approaches to building the capacity of organizations, providing effective leadership both within and outside the EE community, and promoting advocacy for environmental education at local, state/provincial, and national levels.

**Place-based Education**  
Strand Leader: Scott Feille, REAL School Gardens  
Sessions explore place-based education as an approach to teaching and learning that connects learners to community and place.

**Socio-ecological Justice and Community Engagement**  
Strand Leader: Marcia McKenzie, University of Saskatchewan  
Sessions explore the intricate connections among human social and cultural systems and environment and place in a local/global web.

**Teaching and Learning Sustainability**  
Strand Leaders: Anthony Kola-Olusanya, Queens University at Kingston, and Jonathan Milne  
Sessions explore the paradigm of sustainability: thinking about the world in which environmental, social, and economic concerns are balanced.

**Urban and Rural Interface**  
Strand Leaders: Terry Ippolito, Environmental Protection Agency, and Susan Cox, US Forest Service  
Sessions focus on the similar challenges urban and rural communities face and the interactions between them.
Presentation Formats

Combined Panel (45 minutes)
These sessions focus on a single topic and are designed to bring together proposals of complimentary or similar interest. Combined Panels take place each day in various rooms throughout the convention center.

Film Presentation (film length varies)
For the first time NAAEE asked film makers to submit films for peer review and if accepted were given a place at our conference to screen their program and obtain audience feedback. Film Presentations take place each day in Room 106-A in the convention center.

Hands-on Presentation (1 hour & 20 minutes)
Hands-on sessions deal with a single topic or program, in an interactive setting where participants can have an open discussion with an experienced expert. Not intended as a lecture. Hands-on Presentations take place each day in various rooms throughout the convention center.

Poster
Posters are visual presentations set up Thursday through Saturday in exhibit hall south. Presenters will stand with their posters during the exhibit hall grand opening on Thursday evening, September 30.

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Poster
Posters are visual presentations set up Thursday through Saturday in exhibit hall south. Presenters will stand with their posters during the exhibit hall grand opening on Thursday evening, September 30.

Key to Threads and Thread Descriptions

<table>
<thead>
<tr>
<th>(BI) Business and Industry:</th>
<th>Sessions for those interested in the roles of business and industry in environmental education.</th>
</tr>
</thead>
<tbody>
<tr>
<td>(DV) Diversity:</td>
<td>Sessions for those interested in enhancing/promoting diversity in environmental education.</td>
</tr>
<tr>
<td>(EC) Early Childhood:</td>
<td>Sessions for those interested in developmentally-appropriate environmental education practice, instruction, and programs for preschool and primary aged children.</td>
</tr>
<tr>
<td>(IT) International:</td>
<td>Sessions have an international interest in environmental education.</td>
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<tr>
<td>(K12) K-12 Formal Education:</td>
<td>Sessions for classroom teachers and others who teach in formal educational settings.</td>
</tr>
<tr>
<td>(RE) Research and Evaluation:</td>
<td>Sessions include a research/evaluation component.</td>
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<tr>
<td>(SL) Service-learning:</td>
<td>Sessions for those interested in learning about the value of and procedures for carefully infusing service-learning pedagogy into EE programs and instruction.</td>
</tr>
<tr>
<td>(WT) Water:</td>
<td>Sessions include a focus on water or aquatic ecology.</td>
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</tbody>
</table>

Key to Events Listings

<table>
<thead>
<tr>
<th>Time</th>
<th>9:00 AM - 10:25 AM</th>
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<tbody>
<tr>
<td>Room</td>
<td>101</td>
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<tr>
<td>Title</td>
<td>A SEA CHANGE: IMAGINE A WORLD WITHOUT FISH</td>
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<tr>
<td>Strand</td>
<td>Teaching and Learning Sustainability IT, WT</td>
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<tr>
<td>Presenter(s)</td>
<td>Winifred Scherrer (Bullfrog Films, Inc)</td>
</tr>
<tr>
<td>Description</td>
<td>Ocean acidification threatens more than one million species with extinction, as excess carbon dioxide dissolves and changes sea water chemistry. This sometimes humorous, personal journey explores the positive changes we must choose to save ocean life.</td>
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# Tuesday-Wednesday at a Glance

## Tuesday, September 28

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>8:00 AM - 5:00 PM</td>
<td>NAAEE BOD Meeting</td>
<td>Boardroom - Hyatt</td>
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<tr>
<td>8:00 AM - 5:30 PM</td>
<td>U.S. EPA Regional Environmental Education Coordinator Meeting</td>
<td>Niagara – Hyatt</td>
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<tr>
<td>9:00 AM - 5:00 PM</td>
<td>Research Symposium</td>
<td>Regency &amp; Grand Ballrooms – Hyatt</td>
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<tr>
<td>5:00 PM - 6:30 PM</td>
<td>NAAEE Office Open</td>
<td>Ellicott Room - Hyatt</td>
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<tr>
<td>5:00 PM - 6:30 PM</td>
<td>Registration Desks Open</td>
<td>Convention Center Lobby</td>
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<tr>
<td>5:30 PM - 7:00 PM</td>
<td>Research Symposium Reception</td>
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</tbody>
</table>

## Wednesday, September 29

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>(various times)</td>
<td>Field Experiences</td>
<td>Convention Center Lobby</td>
</tr>
<tr>
<td>8:00 AM - 5:30 PM</td>
<td>U.S. EPA Regional Environmental Education Coordinator Meeting</td>
<td>Niagara – Hyatt</td>
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<tr>
<td>8:00 AM - 5:00 PM</td>
<td>NAAEE Office Open</td>
<td>Ellicott Room - Hyatt</td>
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<tr>
<td>8:00 AM - 7:00 PM</td>
<td>Registration Desks Open</td>
<td>Convention Center Lobby</td>
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<tr>
<td>8:00 AM</td>
<td>Coffee for Wednesday Workshops participants</td>
<td>Convention Center Lobby</td>
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<tr>
<td>8:00 AM - 5:00 PM</td>
<td>NAAEE Board Meeting</td>
<td>Boardroom - Hyatt</td>
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<tr>
<td>8:30 AM - 4:00 PM</td>
<td>Wednesday Workshops</td>
<td>Convention Center</td>
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<tr>
<td>9:00 AM - 5:00 PM</td>
<td>Research Symposium</td>
<td>Regency &amp; Grand Ballrooms - Hyatt</td>
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<tr>
<td>12:00 PM - 1:30 PM</td>
<td>Lunch for Workshops and Research Symposium participants</td>
<td>Convention Center Ballroom</td>
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<tr>
<td>4:00 PM - 5:30 PM</td>
<td>Annual Business Meeting of NAAEE Affiliates</td>
<td>Convention Center 102</td>
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<tr>
<td>4:30 PM - 6:30 PM</td>
<td>Planning for Teacher Preparation in NYS Environmental Literacy Plan</td>
<td>Convention Center 103</td>
</tr>
<tr>
<td>5:30 PM - 7:00 PM</td>
<td>Share Fair</td>
<td>Convention Center Lobby</td>
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<tr>
<td>5:45 PM - 6:15 PM</td>
<td>New Member Welcome</td>
<td>Convention Center 106-B</td>
</tr>
<tr>
<td>6:00 PM - 7:00 PM</td>
<td>Various Receptions</td>
<td>see below for listings</td>
</tr>
<tr>
<td>7:10 PM - 9:30 PM</td>
<td>Opening Ceremony with Tom Chapin Performance</td>
<td>Convention Center</td>
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<td>Welcome from New York State Senator Antoine M. Thompson</td>
<td>Exhibit Hall South</td>
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<td>(Dinner for sale at convention center concessionaire.)</td>
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<tr>
<td>10:00 PM - Midnight</td>
<td>After Hours Sing Along</td>
<td>Delaware A – Hyatt</td>
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</table>

## Tuesday Highlights of the Research Symposium

**Nature in Human Development: From Childhood Maturation to Design of the Built Environment** ~ 9:00AM - 10:00AM (Grand Ballroom ABC - Hyatt) Keynote by Steve Kellert, Yale University

**Bridging Gaps: Connecting Biophilia, Children and Nature, and EE** ~ 10:15AM - 11:00AM (Grand Ballroom ABC - Hyatt) Kellert Respondent Panel: Justin Dillon, facilitator; Joe Heimlich, Connie Russell, and Keith Tidball, members

## Wednesday Highlights of the Research Symposium

**Graduate Student and Faculty Breakfast for Registered Research Symposium Attendees** ~ 7:30AM - 9:00AM (Regency A - Hyatt)

**Book Panel featuring recent EE research books** ~ 11:15AM - 12:30PM (Grand Ballroom ABC - Hyatt)
- P Hart and C Russell. *Companion to Research*
- M Krasny, C Lundholm, R Plummer (eds) *Resilience in Social-Ecological Systems: the Role of Learning and Education*
- M Krasny, J Dillon, and B Lewenstein (eds) *Environmental Education Research: Trans-disciplinary Perspectives*
- Stevenson, R and J Dillon (eds) *Engaging Environmental Education: Learning, Culture and Agency*
- K Tidball and M Krasny (eds) *Greening in the Red Zone*
**WEDNESDAY RECEIPTIONS, SPECIAL EVENTS, AND MEETINGS**

**Yoga Self Practice** ~ 6:00 AM (Niagara Room - Hyatt) Bring your own mat; room is open for two hours.

**Southeastern Environmental Education Alliance, and Others, Gathering** ~ 5:00 PM - 7:00 PM (105)
Come and discuss environmental education in the southeast (USEPA Region 4). You do not have to be a member of SEEA to participate. Included in the agenda is the NAAEE Raleigh-Durham 2011 conference.

**Guidelines Trainers’ Bureau Meeting & Reception** ~ 5:45 PM - 7:00 PM (104)
Are you a member of the Guidelines Trainers’ Bureau? Come join us for an opportunity to learn about future activities, the publication of the Early Childhood Environmental Education Guidelines, and network with others from across the country.

**NAAEE New Member Welcome** ~ 5:45 PM - 6:15 PM (106-B)
Dinners are for sale in Exhibit Hall South; grab one and join NAAEE staff and board for an overview of conference events, meet a mentor, ask questions. After this event you will have time to attend a welcome reception.

**Can You Speed Network?** ~ 6:00 PM - 7:00 PM (107)
Would you like the opportunity to meet other young professionals and students just beginning their careers? Come take a dash through our speed networking social; challenge yourself to learn as much as you can about another EEer in a flash. **NAAEE: Membership Has Its Privileges**
Members interested in participating in an informal brainstorming session to discuss strategies to increase and improve student membership and membership in general are encouraged to attend the Student & Young Professional reception; “Can you Speed Network?”.

**Welcome to Our Canadian Attendees** ~ 6:00 PM - 7:00 PM (108)
Please join NAAEE staff, the Canadian Network for Environmental Education and Communication (EECOM) and other Canadian attendees for a little networking. Plans are underway for NAAEE’s 2013, ’14 or ’15 conference to take place in Canada; come meet those involved and get involved!

**Welcome to Our Mexican Attendees** ~ 6:00 PM - 7:00 PM (109)
Please join the NAAEE staff and other Mexican attendees for a little networking. Plans are underway for NAAEE’s 2013, ’14 or ’15 conference to take place in Mexico; come meet those involved and get involved!

**WEDNESDAY WORKSHOPS**

**Note:** workshops do NOT come with conference registration; you needed to register in advance and pay a separate fee. On-site registration may be possible if space is still available. Visit the NAAEE Office (Ellicott Room - Hyatt) for more information.

1. **COMMUNITY INVOLVEMENT IN SUSTAINABILITY: USING GREEN BUILDINGS AS TEACHING TOOLS** 101-A
2. **CONNECTING K-12 SCHOOLS AND COMMUNITIES: COLLABORATIONS IN PLACE** CANCELLED 101-B
3. **ENVIRONMENTAL JUSTICE AND SUSTAINABLE ACTION TOUR OF BUFFALO: PERSPECTIVES FROM THE GROUND UP** OFF SITE, meet in convention center lobby
4. **ENVIRONMENTAL SERVICE LEARNING – PROVEN STRATEGIES FOR REAL, RELEVANT, ENGAGED EDUCATION** 101-C
5. **HANDS-ON ECOLOGICAL RESTORATION CREATES HABITAT AND ENVIRONMENTAL LEADERS ON SCHOOLGROUNDS** OFF SITE, meet in convention center lobby
6. **INTRODUCTION TO SUSTAINABILITY AND EFS** 101-G
7. **LEARNING WITH NATURE: PLACE-BASED SPACES AND EXPERIENCES FOR YOUNG CHILDREN** 101-F
8. **TEACHING ETHICS FOR SUSTAINABILITY** CANCELLED 101-D
9. **THE BRIDGE GOING SOMEWHERE: ENVIRONMENTAL EDUCATION NATIVE THOUGHT AND CULTURE** OFF SITE, meet in convention center lobby
10. **AFFILIATE WORKSHOP** 106-A
11. **PRACTICAL ENVIRONMENTAL PUBLIC RELATIONS AND MARKETING** CANCELLED 101-E
THURSDAY, SEPTEMBER 30

7:00 AM - 8:15 AM  CCC Breakfast  Convention Center Ballroom
7:30  Coffee Carts Open  Convention Center Lobby
8:00 AM - 7:00 PM  Registration Desks Open  Convention Center Lobby
8:00 AM - 11:30 AM  NAAEE Office Open  Ellicott Room - Hyatt
8:30 AM - 4:00 PM  EE Standards Training for NCATE Accreditation  Delaware B - Hyatt
8:30 AM - 11:45 AM  Concurrent Sessions  Convention Center
12:00 PM - 1:45 PM  Plenary Panel  Convention Center Exhibit Hall South
(Lunch for sale at convention center concessionaire.)
1:30 PM - 5:00PM  NAAEE Office Open  Ellicott Room - Hyatt
2:00 PM - 4:45 PM  Concurrent Sessions  Convention Center
3:30 PM - 8:30 PM  Exhibit Fair Open  Convention Center Exhibit Hall North
5:00 PM - 6:30 PM  Lois Gibbs  Convention Center Exhibit Hall South
6:30 PM - 8:30 PM  Exhibit Fair Opening Celebration & Dinner  Convention Center Exhibit Hall North
(Dinner included with conference registration; see page 54-55 for details.)
10:00 PM - Midnight  After Hours Sing Along  Delaware A - Hyatt

RECEPTIONS, SPECIAL EVENTS, AND MEETINGS

Yoga Self Practice  ~  6:00 AM (Niagara Room - Hyatt)
Bring your own mat; room is open for two hours.

Center Yourself with Relaxing Tai Chi  ~  6:00 AM (Roosevelt Square)
Prepare yourself to face the day with tai chi in Roosevelt Square directly across from the Hyatt Regency Buffalo’s Main Street entrance. Participants are encouraged to bring water. Beginners welcome.

Get Your Day Started with the Buffalo Niagara Convention & Visitors Bureau!  ~  6:00 AM (Main Street Entrance – Hyatt) “Walk Buffalo” is a 2.5 mile brisk walking tour that begins at the Hyatt Regency Buffalo (Main Street entrance). There are 28 stops on the tour, including such renowned landmarks as Louis Sullivan’s Guaranty Building, Richard Upjohn’s St. Paul’s Cathedral, Daniel Burnham’s Ellicott Square Building, and Buffalo’s magnificent Art Deco City Hall.

Committee, Commission, Council Chair Breakfast  ~  7:00 AM (Convention Center Ballroom)
If you are the chair of a Committee, Commission, or Council and you RSVPed for the breakfast, please remember to join everyone.

The EE Standards Training for NCATE Accreditation Workshop  ~  8:30 AM - 4:00 PM (Delaware B - Hyatt)
Strategies for incorporating EE standards into preservice education, sample assessments, activities, and exemplary models needed to meet the US national EE standards adopted by NCATE. Preregistration is required for this workshop.

Get Acquainted with the New EE-Link  ~  3:30 PM - 4:30 PM (Exhibit Fair – NAAEE Booth)
Visit the NAAEE booth and see the new EE-Link - the Web’s most comprehensive site for environmental education materials, resources, and people. The all-new www.eelink.net makes it easy to search for and post new materials, and contribute your thoughts and feedback. Join Adrian Ayson, NAAEE Technology Manager, and Mary Ocwieja, EE-Link Editor, to try out EE-link’s new features.

Exhibit Fair Grand Opening  ~  6:30 PM - 8:30 PM
Resources, posters, Commissions, a dinner buffet, and desserts served by NAAEE Affiliates. Check out pages 54-55 for more information.

Multi-cultural Gathering; Sponsored by the NAAEE Diversity Committee  ~  9:00 PM (Niagara - Hyatt) The Diversity Committee is hosting two gatherings as part of the association’s efforts to make the conference more inclusive and welcoming to people from diverse ethnicities and cultural backgrounds. Join us in celebration and building community.
### Planning Page

<table>
<thead>
<tr>
<th>Time</th>
<th>Notes</th>
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<tbody>
<tr>
<td>7:00 AM</td>
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### Duke Environmental Leadership Program

Need to affect change? Wondering what's the best way to communicate change?

Learn how by enrolling in the online course:

**ENVIRONMENTAL COMMUNICATION FOR BEHAVIOR CHANGE**

Using distance learning technology, Mr. Brian Day, Executive Director of NAAEE, provides professionals with a practical introduction to the strategies, methods, and tools of environmental communication that effectively lead to changes in behavior. The field-based skills gained through this course will benefit all practicing environmental professionals faced with the challenge of changing behaviors.

Registration for this Spring 2011 course coming soon. E-mail del@nicholas.duke.edu to pre-register.

Learn more about DEL's online mid-career Master of Environmental Management degree & other executive education short courses at nicholas.duke.edu/del

919-613-8082

del@nicholas.duke.edu

nicholas.duke.edu/del
### Thursday Morning Sessions

**The Film Room (106-A)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
</table>
| 8:30 AM - 8:45 AM | **SPLIT ESTATE**  
Energy Education and Green Technology  
Presenter(s): Winifred Scherrer (Bullfrog Films, Inc)  
Documents the devastating effect that rapidly expanding oil and gas drilling is having on the health of families and the environment in the Rocky Mountain West. A preview for Easterners of fracking for marcellus shale natural gas, coming soon. |
| 9:00 AM - 10:25 AM | **A SEA CHANGE: IMAGINE A WORLD WITHOUT FISH**  
Teaching and Learning  
Sustainability  
Presenter(s): Winifred Scherrer (Bullfrog Films, Inc)  
Ocean acidification threatens more than one million species with extinction, as excess carbon dioxide dissolves and changes sea water chemistry. This sometimes humorous, personal journey explores the positive changes we must choose to save ocean life. |
| 10:35 AM - 11:55 AM | **EATING ALASKA: A WRY SEARCH FOR “RIGHT THING” TO EAT**  
Place-based Education  
Presenter(s): Ellen Frankenstein  

**The 20-Minute Presentation Room (102)**

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
</table>
| 9:00 AM - 9:20 AM | **SURVEY OF WATER RESOURCES AND INFRASTRUCTURE-RELATED LITERACY IN TAIWAN**  
Teaching and Learning  
Sustainability  
Presenter(s): Huiching Yu, Shin-Cheng Yeh (National Taiwan Normal University)  
The knowledge structure of water resources and related infrastructure issues was developed. Questionnaire surveys were conducted for understanding the characteristics of knowledge, attitude, and actions of students and the general public in Taiwan. Several important misconceptions were identified |
| 9:30 AM - 9:50 AM | **BIOMIMICRY: ADVICE FROM NATURE’S SUCCESS STORIES CAN EXPEDITE INNOVATION**  
Energy Education and Green Technology  
Presenter(s): Dana Levy (NYSERDA)  
Biomimicry, a problem-solving approach at the intersection of science and engineering, is now coming of age. Biomimicry refocuses us from thinking about what we can extract from nature, to what we can learn from and value in nature. |
| 10:00 AM - 10:20 AM | **LSU COASTAL ROOTS PROGRAM: ONGOING ENVIRONMENTAL STEWARDSHIP IN SOUTH LOUISIANA**  
Conservation Education  
Presenter(s): Pamela Blanchard (Louisiana State University)  
LSU Coastal Roots facilitates students growing restoration seedlings in school-based nurseries that will be transplanted at partner restoration sites. Students learn about habitat and coastal land loss, make informed decisions about natural resource conservation, and take action through environmental stewardship. |
| 10:30 AM - 10:50 AM | **THE REDUCE THE JUICE APPROACH TO YOUTH ENGAGEMENT**  
Innovative Programs and Practices  
Presenter(s): Theresa Sauren (Reduce the Juice)  
Reduce the Juice, a community-based environmental initiative, engages youth in climate change initiatives through community and school projects. This paper will outline the methodologies that RTJ employs to engage youth in the climate issue by offering them leadership opportunities. |
| 11:00 AM - 11:20 AM | **WHAT DRAWS YOUTH TO GREEN CAREERS?: PERSPECTIVES OF CANADIAN EDUCATORS**  
Energy Education and Green Technology  
Presenter(s): Oksana Bartosh (Directions Evidence and Policy Research Group)  
As the Canadian environmental sector is forecasted to face shortage of highly-skilled professionals, it is important to understand the driving force behind youth green career decision-making. This study addresses this issue by exploring the factors affecting career choices of youth. |
| 11:30 AM - 11:50 AM | **INSPIRING CLIMATE EDUCATION EXCELLENCE: PROFESSIONAL DEVELOPMENT FOR SECONDARY SCIENCE TEACHERS**  
Urban and Rural Interface  
Presenter(s): Susan Buhr (CIRES/University of Colorado), Karen Hollweg (NAAEE Past President)  
The new ICEE online course and self-directed modules foster climate literacy via best practices and include strategies to forestall controversy. Come to learn about our online resources and evaluation results. Get involved and enhance your approaches for teaching diverse learners. |
THURSDAY MORNING SESSIONS
Combined Panels

Combined Panels are in various rooms in the convention center; they have three time slots this morning.

8:30 AM - 9:15 AM

101-C

WATER, WATER, EVERYWHERE – ARE WE DOING ENOUGH TO PROTECT IT?
Conservation Education

Water is a natural resource whose quantity and quality must be responsibly preserved. This session will begin with an introduction to the global water crisis, and be followed by two examples of projects that address local water issues.

THE NEW GREEN IS BLUE
Presenter(s): Scott Wolf (The Miller/Hull Partnership)
The impacts of the global water crisis are demanding that we look more critically at how we relate to, and educate people about, one of our planet’s most valuable and precious resources through our work, our communities, and our lives.

THERE’S NO NEW WATER! 4-H WATER CONSERVATION AND QUALITY CURRICULUM
Presenter(s): Martin Smith, Steven Worker (UC 4-H Youth Development Program)
There’s No New Water! is a research-based, water conservation and quality curriculum designed for high school-age youth in non-formal education settings. Activities scaffold learning through the use of inquiry and experiential learning and culminate in a service-learning project.

101-E

COMMUNITY AND FAMILY INVOLVEMENT IN EE
Innovative Programs and Practices

Involvement of families and communities in outdoor experiences is essential to foster environmental education and a sense of stewardship. Three programs will share their visions for increasing community contact with the outdoors.

DEVELOPING AND EMPOWERING THE NEXT GENERATION’S GREEN LEADERS AND STEWARDS
Presenter(s): Larry Brown, Org (US EPA Region III), George Comfort, Bronwyn Mitchell (Maryland Association for Environmental and Outdoor Education (MAEOE))
Synergize, learn to establish, conduct or improve Environmental/Outdoor Education programs using EPA’s Student Environmental Development Program format. Develop action plans, explore examples, ideas, resources, funding, staffing, partnerships, diversity, equity, capacity building, curriculum development, delivery methods, underserved populations and community participation.

ENGAGING FAMILIES IN THE QUEST TO CONNECT CHILDREN WITH NATURE
Presenter(s): Susan Wirth (Arbor Day Foundation/Dimensions Educational Research Foundation)
Interactive session that lets you gain research-based, field-tested strategies for engaging families with young children in activities that strengthen nature connections. Also learn about a new international Nature Action Kit with activities that help schools and families “Connect-Act-Sustain.”

101-F

PROFESSIONAL DEVELOPMENT PLANNING
Innovative Programs and Practices

Effective professional development is essential to foster effective EE. Two programs are featured that describe successful professional development efforts.

LEARNING PROGRESSIONS AND ENVIRONMENTAL SCIENCE LITERACY: INNOVATIONS IN PROFESSIONAL DEVELOPMENT
Presenter(s): Sarah Haines, Alan Berkowitz (Cary Institute of Ecosystem Studies)
The Baltimore Partnership for Environmental Science Literacy uses the approach of validating learning progressions through student interviews and assessments, in order to study student progress toward the hard-won achievement of environmental literacy in three core areas: carbon, water, and biodiversity.

THE POWER OF PARTNERSHIPS WHEN PLANNING TEACHER PROFESSIONAL DEVELOPMENT OPPORTUNITIES
Presenter(s): Suzanne Eder (Wells National Estuarine Research Reserve), Paige Rutherford (Wells National Estuarine Research Reserve)
Three National Estuarine Research Reserves are implementing “Teachers on the Estuary” summer workshops, experiencing the power of partnerships between teachers, community organizations, and colleagues. Come gather valuable tools for using individual and collective strengths to create connections within your community.
THURSDAY MORNING SESSIONS

Combined Panels (continued)

Combined Panels are in various rooms in the convention center; they have three time slots this morning.

8:30 AM - 9:15 AM

101-B
INVESTIGATING LEARNING AND SOCIO-ECOLOGICAL ACTION THROUGH PARTICIPATORY RESEARCH
Socio-ecological Justice and Community Engagement

Discussant(s): Paul Hart

A glimpse into three participatory research projects, with a focus on environment and place as they relate to learning in different community-based contexts. Working with families, youth activists, and Indigenous community members, these researchers seek to further socio-ecological justice and action.

EXAMINING HOW FAMILY PARTICIPATION IN AN ACTION BASED EE PROGRAM AFFECTS THE DAILY ACTIONS OF PARTICIPANTS
Presenter(s): Shannon Dyck (University of Saskatchewan)

ENGAGING YOUNG ACTIVISTS’ RENDERINGS OF PERSONAL LEARNING JOURNEYS: PAR APPROACH
Presenter(s): Vince Anderson (University of Saskatchewan)

9:30 AM - 10:15 AM

101-A
POCKETS AND HEARTS FULL OF WONDER AND SONG
Arts, Culture, and Spirituality

These presentations feature two non-formal educational programs. The Peggy Notebaert Nature Museum and Pockets-of-Wonder integrate art and science into curricula that transform the usual distractions of life including technology, into those that become attractions for life.

PLAINS, TERRAINS, AND SING-A-LONGS TOO!
Presenter(s): Amanda Berlinski (The Peggy Notebaert Nature Museum)

Learn to successfully integrate art and science into nonformal environmental education as The Peggy Notebaert Nature Museum presents on its innovative summer camp program. We will share best practices in hands-on, interdisciplinary activities that keep campers coming back year after year.

POCKETS-FULL-OF-WONDER: MAKE NATURE YOUR PLAYGROUND
Presenter(s): Cynthia Hilmoe

Pockets-Full-of-Wonder acknowledges children’s growing preference for technological interfaces and explores ways to keep technology from becoming a distraction or unwanted mediator. Using field observation gadgets, children forage for natural materials and digital representations to use in personalized Do-It-Yourself projects.

101-E
EE IN UNDERGRADUATE EDUCATION
Innovative Programs and Practices

Environmental education is often not a formal part of the undergraduate experience. Join us to hear about three programs that have made significant efforts to incorporate EE principles and concepts into the undergraduate curriculum.

INTERDISCIPLINARY UNDERGRADUATE PROJECTS TO INTEGRATE ENVIRONMENTAL EDUCATION ACROSS THE CURRICULUM
Presenter(s): Chad King (Ohio Dominican University), Ronald Zielke (Ohio Dominican University)

Through interdisciplinary project-based learning, collaborations were developed between environmental science and calculus courses to address real world problems and analyze authentic data across content areas and levels of expertise.

STUDYING NATURE, NOT BOOKS: HELPING UNDERGRADUATES REDISCOVER NATURE STUDY
Presenter(s): William Cliff (Niagara University), Mark Gallo

An undergraduate course was developed to foster a personal approach to understanding the natural world. Experiential methods of learning help students to become better observers, communicators, and educators in nature study and to rediscover the wonder and joy in nature.

THE FUTURE OF EE: STUDENT TEACHER TRAINING PROGRAMS, OF COURSE!
Presenter(s): Kevin Zak (University of Minnesota Duluth), Joe Walewski (Wolf Ridge Environmental Learning Center)

What would pre-service teacher training look like if it was possible to blend theory and practice, formal and non-formal programming? Learn more about an experiential student teacher program developed by the University of Minnesota-Duluth and Wolf Ridge Environmental Learning Center.
THURSDAY MORNING SESSIONS

Combined Panels (continued)
Combined Panels are in various rooms in the convention center; they have three time slots this morning.

9:30 AM - 10:15 AM

101-B
INTERGENERATIONAL SOCIO-ECOLOGICAL LEARNING
Socio-ecological Justice and Community Engagement DV
This session will include presentation and discussion of research and practice in intergenerational learning programs based out of elementary schools in Hawaii and Taiwan.

LONG-TERM INFLUENCE OF APPLYING INTERGENERATIONAL PROGRAM CONCEPT ON EE
Presenter(s): Shih-Tsen Liu
The long term impact of an intergenerational environmental education programs on different community groups that indirectly participate in the program (such as the volunteers, religious groups, and traditional art performers) will be explored in this presentation.

OCEAN FEST (FAMILIES EXPLORING SCIENCE TOGETHER): AN INTERGENERATIONAL APPROACH TO MARINE SCIENCE
Presenter(s): Carlie Wiener
Ocean FEST (Families Exploring Science Together) is a program in Hawaii that exposes families to ocean science in a fun, engaging way. This session will have participants learn hands-on activities and learning tools for teaching marine science to intergenerational audiences.

11:00 AM - 11:45 AM

101-A
DANCE, MUSIC, AND ECO-TRANSFORMATION
Arts, Culture, and Spirituality
What better way to inspire awe and wonder and to deepen human relationships with natural systems than through song and dance. Learn about emerging eco-pedagogy through dance, and explore the power of song to change our world.

RE-LEARNING TO EMBODY NATURE THROUGH ENVIRONMENTAL DANCE: INITIATING, DEEPENING, HEALING
Presenter(s): Dianne Eno (EarthDance Institute LTD.)
An introductory workshop in the emerging practice of environmental dance eco-pedagogy, that draws upon creativity and imagination to re-inspire awe and wonder: an innovative way to initiate, deepen and heal the human/nature relationship. Appropriate for all ages, formal and non-formal venues.

THE CLIMATE MONOLOGUES: A MUSICAL SHOW ABOUT GLOBAL CLIMATE CHANGE
Presenter(s): Sharon Abreu (Irthlingz Arts-Based Environmental Education)
Sharon Abreu of Irthlingz Arts-Based Environmental Education presents her one-woman show of monologues from people impacted by or working to solve climate change. Monologues and songs serve to help people become part of the climate solution. Discussion follows the show.

101-B
MEDIA LITERACY AND ECO-SEMIOTICS: TOWARDS DEMOCRACY IN EDUCATION
Socio-ecological Justice and Community Engagement K12
This session includes two presentations focused on how education might better engage students in critical examination and greater consciousness and agency in relation to their media-saturated and more broadly semiotic surroundings.

ECO-SEMIOTICS OF EDUCATION: EDUCATING WITH, FOR, AND THROUGH THE ENVIRONMENT
Presenter(s): Veronica Hotton
An eco-semiotic approach to education requires cultivating an awareness of the conflicting messages between the goals of environmental education and the symbols of public education. These symbols, both implicitly and explicitly, surround and shape students, teachers and administrators.

UNDERSTANDING ADVERTIZING AND MEDIA LITERACY TO PROMOTE SUSTAINABLE COMMUNITIES
Presenter(s): Richard Jurin
To engage communities in building sustainability, individuals must understand how advertisers and media manipulate them to become unnecessary consumers. We must educate on how to engage and challenge media institutions to show transparency and fairness and to create open dialogue.
A GARDEN FOR EVERY CHILD: RECONNECTING CHILDREN AND NATURE
Presenter(s): Heather Burt ( FILtronex International)
A Garden for Every Child why gardening with children is a great way to improve academics, health and wellness, and environmental stewardship. Plus easy ways to implement gardens, despite traditional school obstacles.

AQUAPONICS FOR SUSTAINABILITY: ACHIEVING ENVIRONMENTAL EDUCATION THROUGH COMMUNITY DEVELOPMENT
Presenter(s): Thomas Eatmon, Chris Bonessi (Allegheny College), Justin Gaud (Allegheny College)
A holistic approach to EE requires that it involve all members of the community. We examine the use of aquaponic systems to foster community development among teachers, environmental educators, college students, farmers, businesses, nonprofits, and community members.

BEYOND THE LINKS: GOLF COURSES AS LIVING CLASSROOMS
Presenter(s): Joellen Lampman ( Audubon International)
Golf courses can implement environmental projects that benefit the course, community, and environment. This presentation will focus on how golf courses can serve as living classrooms. Projects that have changed environmental behavior on and off the course will be emphasized.

CLIMATE CHANGE ADAPTATION: CONSTRUCTION PERMITTING TRENDS IN RESPONSE TO COASTAL EROSION
Presenter(s): Ariana Marshall (Florida A & M University)
This study will present implications for climate change land use adaptation based on the resulting correlation trends between critical erosion designation and construction permits issued in three Northwest Florida counties.

CONSERVATION PHOTOGRAPHY IN EDUCATION: INTERPRETING HUMANECOLOGICAL RELATIONSHIPS IN A SINGLE IMAGE
Presenter(s): Bruce Farnsworth (University of North Dakota)
Discuss photography as a medium for critical ecological education and interdisciplinary teaching. Explore the photographic process and learn how to create more effective images. Experience how visual literacy training and conservation talk can promote student engagement. Share your work.

CURRICULUM DEVELOPMENT FOR CITIZEN SCIENCE TO ADDRESS ENVIRONMENTAL LITERACY
Presenter(s): Scott Reilly
How can we teach for environmental literacy? Citizen science offers one strategy by engaging students in hands-on experiences with the scientific process. A curriculum framework that identifies goals of environmental literacy has benefits for students, teachers, and more.

DEPARTMENT OF THE INTERIOR, OFFICE OF YOUTH IN THE GREAT OUTDOORS
Presenter(s): Nathaniel Hawley (Office of Youth in Great Outdoors)
Youth in the Great Outdoors Initiative will achieve the goal of connecting young people with America’s natural and cultural heritage by expanding programs and opportunities to engage, educate and employ America’s Youth to inspire the next generation of conservation leaders.

ENERGY EDUCATION + CHARACTER EDUCATION = SERVICE LEARNING
Presenter(s): Joanne Coons (Shenendehowa High School East)
Using the 12 pillars of Character Education, each word will be defined in regards to energy education and several appropriate actions, where service learning can be implemented will be suggested. Activities will be shared and presented to participants.

ENVIRONMENTAL EDUCATION AS TOTAL LIBERATION PEDAGOGY: NEW PARADIGM PRACTICES
Presenter(s): Richard Kahn
This presentation chronicles and contextualizes the practices of nine new paradigm environmental educators. Working at various levels, both formally and nonformally, each is furthering a critical intersectional literacy that seeks to promote social justice, animal advocacy, and ecological sustainability.

FIGHTING CLIMATE CHANGE — ARE WE ON THE SAME PAGE?
Presenter(s): Wai Chu Cheng (Toronto and Region Conservation Authority)
Can the world work together to fight the top global problem climate change? In this session, participants will be able to answer this question by reading newspaper front pages from ten different countries worldwide during the Copenhagen Climate Summit 2009.

FROM HEAD TO HEART: AN AFFECTIVE TRANSFORMATION PROGRAM MODEL
Presenter(s): Jim Jordan (Saint Louis Zoo)
The Saint Louis Zoo was charged with developing a new conservation education paradigm around Affective Transformation. Learn the components of this model and how it has guided program design and implementation.

GLOBAL CONNECTIONS: FORESTS OF THE WORLD
Presenter(s): Jackie Stallard (Project Learning Tree), Al Stenstrup (American Forest Foundation)
The forests of the world are changing. Project Learning Tree’s new secondary module, Global Connections: Forest of the World, explores this vital component of the Earth’s natural systems. Participants receive the activity module and poster sets.

GREAT MEALS FOR A CHANGE — TRANSLATING SUSTAINABLE FOOD ATTITUDES INTO ACTION
Presenter(s): Cate Trueman (Acadia University), Alan Warner (Environmental and Sustainability Studies, Acadia University)
Learn specific, accessible strategies to strengthen values-based decisionmaking and shift norms regarding sustainable food choices in community contexts. Great Meals for a Change is a “dinner party” program that draws upon existing relationships and social experiences to bridge the attitudebehavior gap.

GROWING A GARDEN OF WORDS
Presenter(s): Molina Walters (Arizona State University)
Helping young children learn essential and rare vocabulary is accomplished best through exciting content such as science. This session explores the science of growing vegetables and learning about nutritious food as a vehicle for acquiring new words and realworld knowledge.
REAL BIG NATURE GAMES

Presenter(s): Barb Holtz (Cleveland Metroparks)

Kids and adults have fun becoming the game pieces on floorsized board games, while learning about nature and the environment. Experience three different games: snakes and turtles, watersheds, and habitat.

RUINS REEFS AND RAINFOREST ENVIRONMENTAL EDUCATION ACROSS BELIZE

Presenter(s): A. Michael Marzolla (University of California), Ian Signer

Learn about the 2010 delegation organized by NAAEE's International Commission that visited the Central American country of Belize and explored how people are using education to help conserve the diverse habitats and unique cultures of this tropical paradise.

SCHOOLYARD CLASSROOMS: FROM THEORY TO PRACTICE

Presenter(s): Christa Haverly (Alice Ferguson Foundation)

Take students outside for learning! Alice Ferguson Foundation will share what they're doing to partner with local schools to get students learning in their schoolyards. We are taking "No Child Left Inside" literally, and facilitating schoolyard classrooms. See how!

THE ARTS AND NATURE: AGEAPPROPRIATE ENVIRONMENTAL EDUCATION FOR YOUNG CHILDREN

Presenter(s): Julie Rose

This interactive session will provide basic guidelines for developing and implementing an early childhood environmental education program that fosters young children’s sense of wonder. Ideas will be shared that help children express their knowledge and personal interpretation of the world.

THE CLEAN ENERGY DISCOVERY PROGRAM

Presenter(s): Andy Lueth (KidWind)

Discover a series of lessons and hands-on activities designed to give students a comprehensive understanding of energy efficiency and renewable energy. This stepbystep program utilizes hands-on activities to engage and inspire students in these emerging technologies.

THE FIRST WYOMING YOUTH CONGRESS ON CHILDREN AND NATURE

Presenter(s): Wayne Turner (Ashokan Center)

In October 2009 Teton Science Schools hosted the firstofitskind Wyoming Youth Congress on Children and Nature for eighth graders. Learn more about this inspirational event and leave with ideas for how to implement a similar program in your own community.

TOOLS OF ENGAGEMENT: USING SOCIAL STRATEGIES TO REACH CONSERVATION GOALS

Presenter(s): Judy Braus (National Audubon Society), Mary Ford (National Audubon Society), Bob Petty

Join us for a participatory introduction to the EETAPfunded Tools of Engagement, which provides resources and research to help conservation professionals integrate education and other social strategies (such as social marketing and communication) into conservation planning.
THURSDAY MORNING SESSIONS

45-minute Traditional Presentations

45-minute traditional presentations are in various rooms in the convention center; they have three time slots this morning.

8:30 AM - 9:15 AM

106-D
I HAVE A SALMON TENT... NOW WHAT?
Conservation Education
Presenter(s): Sue Baker (USDA Forest Service)
Learn to look at your audience and find age-appropriate activities that bring your message to life. Don't have a salmon tent? The process is the same. Chose topics and introduce concepts by reviewing existing curriculum.

106-B
THE ROLE OF COMMUNITY PARTNERSHIPS IN THE BIRDSLEUTH: COSTA RICA FIELD TEST
Conservation Education
Presenter(s): Lilly Briggs (Learning for a Sustainable Future)
Lilly Briggs collaborated with the Cornell Lab of Ornithology to field test the first Latin American version of the “BirdSleuth: Most Wanted Birds” EE curriculum. The success of this field test was due to the strong connections formed with community-based organizations.

101-A
THE PERSONAL ENERGY AUDIT: EXAMINE, ANALYZE, AND REDUCE YOUR ENERGY USE
Energy Education and Green Technology
Presenter(s): Tamara Peffer (Lehigh University), Alec Bodzin (Lehigh University), Violet Kulo (Lehigh University), Dork Sahagian (Lehigh University), David Anastasio (Lehigh University)
Learn about a personal energy audit activity (www.ei/lehigh.edu/eli) designed to encourage students’ examination, analysis, and reduction of their personal energy use. Materials for differentiating instruction are highlighted.

107
BRIDGE OVER GLOBAL WATERS
Innovative Programs and Practices
Presenter(s): Constanza Hazelwood
The presenters from Freshwater Studies program at Northwestern Michigan College will discuss programmatic and pedagogical decisions concerning the need to develop global understanding of our water resources.
Thursday Morning Sessions

45-minute Traditional Presentations (continued)

45-minute traditional presentations are in various rooms in the convention center; they have three time slots this morning.

8:30 AM - 9:15 AM

104
THE TOGETHERGREEN CONSERVATION LEADERSHIP PROGRAM: ACT TODAY, SHAPE TOMORROW

Network and Leadership Development

DV

Moderator(s): Judy Braus (National Audubon Society)

Presenter(s): Anne Ferguson (National Audubon Society), Jose Marcos-Igla (Environmental Education Exchange)

Audubon and Toyota launched the TogetherGreen initiative in 2008 to build the promise of a greener, healthier future through innovation, leadership and volunteerism. To date, 80 environmental leaders have received TogetherGreen Fellowships to protect land, water, and energy resources nationwide.

106-C
WHAT IS HAPPENING IN MEXICO WITH NAAEE?

Network and Leadership Development

IT

Presenter(s): Emilia de la Sierna (NAAEE/CECEDASU/CICEANA)

Emilia de la Sierna, NAAEE’s new representative in Mexico City will present about her efforts — both prior to joining NAAEE — and her new efforts to build the network, build a stronger research agenda, and about the upcoming meeting in Mexico.

101-D
CREATING A MODEL K-12 COMMUNITY-BASED LEARNING PROGRAM

Place-based Education

K12, SL

Presenter(s): Jeremy Solin, Christine Kelly

Community-based learning (CBL) is an approach to K-12 education combining project-based and service-learning components to create student-learning experiences with community benefits. Teachers and program coordinators will share experience of working with a school district to implement a CBL program.

103
STRETCH YOUR LEGS FOR SCIENCE!

Place-based Education

K12, SL

Presenter(s): Jennifer Fee (Cornell Lab of Ornithology)

Care for a little more exercise than running between sessions? Join me for a mini bird walk, and experience first-hand how easy it can be to engage in Cornell Lab of Ornithology citizen science with students or groups!

101-H
COMPARING SUSTAINABILITY EDUCATION FOR HIGHER LEARNING IN CANADA AND NIGERIA

Teaching and Learning Sustainability

IT, RE

Presenter(s): Anthony Kola-Olusanya (Osun State University), Trish Glazebrook (University of North Texas)

This research provides a platform to critically analyze and gain understandings of the goals and focus of sustainability programs in higher education, and the differences that will arise from different educational structures in the global North and South.

9:30 AM - 10:15 AM

101-D
THE ART OF REFLECTION

Arts, Culture, and Spirituality

K12, SL

Presenter(s): Sherry Swint

Come experience reflection as attendees will use skits, drawing, and sculpture to see firsthand how reflection improves learning. Learn techniques that creatively allow students to process and synthesize environmental education. This interactive presentation provides fun artistic skill-building reflection examples.

103
SEAGRASS GROW CAMPAIGN: COLUMBIA SPORTSWEAR COMPANY – OCEAN FOUNDATION INITIATIVE

Conservation Education

BI, WT

Presenter(s): Scott Welch (Columbia Sportswear Company)

Learn how this dynamic partnership helps save marine habitat... one seagrass meadow at a time. The Seagrass Grow campaign is proactively restoring sections of damaged seagrass beds, while educating boaters and other resource users.
THURSDAY MORNING SESSIONS

45-minute Traditional Presentations (continued)

45-minute traditional presentations are in various rooms in the convention center; they have three time slots this morning.

9:30 AM - 10:15 AM

101-C
EFFECTIVE PARTNERSHIPS FOR SUSTAINABLE FOOD SYSTEMS: LESSONS FROM THE FIELD
Socio-ecological Justice and Community Engagement K12, SL
Presenter(s): Libby McCann (Antioch University New England), Tania Schusler (Antioch University New England)
Learn how Keene, NH community members fostered collaboration among citizens, businesses, non-profits, academic institutions and local government to address food security concerns related to climate change. Stakeholders highlight lessons learned and significant hurdles encountered. Interactive activities and dialogue are emphasized.

11:00 AM - 11:45 AM

104
FOSTERING “CONNECTEDNESS TO NATURE” THROUGH USFWS EE PROGRAMMING: PART II
Conservation Education K12, RE
Presenter(s): Julie Ernst
Is connecting children with nature part of your agency’s effort toward reaching conservation goals? The quantitative findings from an investigation of the influence of USFWS EE programs on participants’ “connectedness to nature” will be shared, with an emphasis on program implications.

101-H
HANDS ON THE LAND: CREATIVE EDUCATION NETWORKING ON PUBLIC LANDS
Conservation Education K12
Presenter(s): Drew Burnett (U.S. EPA), Ellen Reid (Keystone Science School)
Hands on the Land is a national network of field classrooms that connects students, teachers, and parents to their public lands and waterways. Learn about this exciting program that reaches approximately 400,000 students yearly through education programs on public lands.

101-D
THE INCREDIBLE JOURNEY: A TRIP THROUGH THE CARBON CYCLE
Energy Education and Green Technology K12
Presenter(s): Roberta Burns (Kentucky Division for Air Quality)
In this activity, students become carbon atoms, travelling through pre- and post-industrial carbon cycles. The kinesthetic nature of the activity makes the abstract concept of the carbon cycle more concrete, providing an excellent introduction to the topic of climate change.

101-E
AFFECTS OF EE APPROACHES ON ACADEMIC ACHIEVEMENT: REVIEW FOR NCLI
Innovative Programs and Practices RE, SL
Presenter(s): Tom Marcinkowski (Florida Institute of Technology), Tom Ackerman
The NCLI Coalition has built support for NCLI, and supported states developing Environmental Literacy Plans. In support of these efforts, this session will review research on the effects of diverse EE approaches on environmental literacy and academic achievement.

103
PECHA KUCHA: ENGAGING THE SPIRIT IN ENVIRONMENTAL EDUCATION
Arts, Culture, and Spirituality EC, K12
Presenter(s): Sharon Tinianow (COSI), Jennifer McCoy, Coleen O’Connell (Lesley University)
Join us to explore how to engage the spirit in environmental education programs. The session format is “pecha kucha” – each presenter shares 20 slides and has 20 seconds per slide to distill the ideas down to their essence.

106-C
ENVIRONMENTAL LITERACY: EARTHWATCH INSTITUTE’S IMPACT ON A MEASURE OF CRITICAL THINKING
Innovative Programs and Practices RE
Presenter(s): Marie Cheak, Alan Fortescue
Earthwatch Institute funded this two-year national study involving high school students whose teachers experienced an intensive conservation field expedition. The Critical Thinking Test for Environmental Education was used to measure the impact on critical thinking as an aspect of environmental literacy.

101-G
HAWAII’I ISLAND COASTAL EDUCATION AND STEWARDSHIP PROJECT
Innovative Programs and Practices K12, RE
Presenter(s): Darius Kalvaitis (University of Hawaii Hilo), Ho’oululahui Perry (Pacific Aquaculture & Coastal Resources Center), Sharon Ziegler-Chong (UHH Pacific Aquaculture & Coastal Resources Ctr.)
The Hawai’i Island Coastal Education and Stewardship Project (HICES- pronounced “High Seas”) built innovative partnerships between coastal environmental education organizations, trained pre-service/in-service teachers, educated K-6 students, and engaged community audiences to advance stewardship though formal and informal EE efforts.

108
INTEGRATING NO CHILD LEFT INSIDE (NCLI) WITHIN THE FRAMEWORK OF NO CHILD LEFT BEHIND (NCLB)
Innovative Programs and Practices K12, SL
Presenter(s): Sabiha Daudi (Northern Illinois University)
This presentation will focus on the No Child Left Inside Movement and focus on the integration of NCLI within the framework of No Child Left Behind. The outcomes of two workshops conducted for science teachers in Illinois will be shared.

109
PROJECT INDIGO: BUILDING ENVIRONMENTAL LITERACY- A MULTIFACETED APPROACH
Innovative Programs and Practices K12, SL
Presenter(s): Edward Falco (Environmental Education Association of South Carolina)
Project INDIGO (Integrating Nature by Discovery, Inquiry, and Going Outdoors), an EPA grant-funded public school innovation, is building environmentally literate students “inside and out,” through awareness, knowledge and understanding of natural and social systems, attitudes, skill development, and action.
THURSDAY MORNING SESSIONS

45-minute Traditional Presentations (continued)

45-minute traditional presentations are in various rooms in the convention center; they have three time slots this morning.

11:00 AM - 11:45 AM

101-C
SHARING PEACE CORPS VOLUNTEERS’ STORIES OF SERVICE ACROSS GLOBAL COMMUNITIES
Innovative Programs and Practices  IT, K12
Presenter(s): Emily Hestness (Peace Corps)
Peace Corps Volunteers can provide innovative examples of community-based environmental projects taking place across the globe. Discuss strategies for sharing Peace Corps Volunteers’ stories with learners to promote global environmental awareness, exemplify successful collaboration, and make connections to local contexts.

106-B
ADVOCATING FOR ENVIRONMENTAL EDUCATION IN YOUR STATE
Network and Leadership Development  K12
Presenter(s): Shareen Knowlton (Roger Williams Park Zoo), Linda Rhoads, Lisa Herrmann (Riparian Institute), Traci Price (The Freshwater Trust), Jesse Haney, Kristen Swanberg (Audubon Society of Rhode Island)
Since the introduction of the NCLI Act, several states are working on state legislation and the development of an Environmental Literacy Plan, some through legislative action and partnerships with their state DOE. What’s the best strategy for your state?

101-F
FORESTS IN THE CITY: ASSESSING URBAN PLACE-BASED PROFESSIONAL DEVELOPMENT
Innovative Programs and Practices  K12, RE
Presenter(s): Catherine Game (Global Alliance of Artists), John Cawood, Annie Gregory
How can we engage urban teachers in place-based education methods? This study, conducted for the U.S. Forest Service, determined how to adapt a professional development program to meet the needs of teachers in two cities: Milwaukee, WI and Chicago, IL.

105
SERVICE-LEARNING AS A BRIDGE TO ENVIRONMENTAL JUSTICE
Socio-ecological Justice and Community Engagement  DV, SL
Presenter(s): Lisa Bardwell, Alyssa Hawkins
This workshop explores service-learning as a vehicle for young people to explore and address environmental justice issues in their communities. Participants will learn the basics of service learning and apply them within the context of several environmental issues currently facing Buffalo.

THURSDAY AFTERNOON SESSIONS

The Film Room (106-A)

2:00 PM - 2:35 PM
ENERGY: INFINITE POTENTIAL
Energy Education and Green Technology  BI, K12
Presenter(s): James Westgate (Lamar University)
This documentary examines how “old” energy sources, such as coal and oil, are giving way to the “infinite” energy sources of wind and solar power. The film educates with animation and interviews, targeting middle school teachers and students.

2:50 PM - 4:50 PM
EDUCATIONAL USES FOR THE EPA VIDEO COMPETITION COLLECTION
Conservation Education  K12, RE
Presenter(s): Drew Burnett (U.S. EPA)
Participants will learn creative uses for videos from EPA competitions, produced as educational materials and public service announcements. Contest organizers will describe their process, using media such as YouTube. Examples will range from 30-second PSAs to longer programs.
### The 20-Minute Presentation Room (102)

**2:00 PM - 2:20 PM**

**THE BEGINNINGS OF CERTIFICATION OF NON-FORMAL EDUCATORS WITHIN WASHINGTON STATE**

Network and Leadership Development  
Presenter(s): Colleen Uuereb  
After a survey and regional comprehensive EE planning process, a recommendation for certification resulted. Through a gaps analysis, additional surveys, and interviews with other certifying states’ agencies, a formal certification proposal was created that was customized to the Washington State context.

**2:30 PM - 2:50 PM**

**THE CONSUMER EDUCATION PROGRAM FOR RESIDENTIAL ENERGY EFFICIENCY**

Energy Education and Green Technology  
Presenter(s): Joseph Laquatra (Cornell University)  
The Consumer Education Program for Residential Energy Efficiency is a successful partnership between Cornell Cooperative Extension (CCE) and the New York State Energy Research and Development Authority (NYSERDA) as an ongoing statewide effort to transform markets for residential energy efficiency.

**3:00 PM - 3:20 PM**

**INFLUENCES ON K-12 ADMINISTRATORS’ SUPPORT FOR ENVIRONMENT-BASED EDUCATION**

Place-based Education  
Presenter(s): Julie Ernst  
How can we encourage school administrators’ support for environment- and place-based approaches? A study investigating influences on K-12 administrators’ support for environment- and place-based education will be shared, along with implications for the EE community in their work with school administrators.

**3:30 PM - 3:50 PM**

**INCORPORATING EDUCATIONAL COMPONENTS INTO THE BUFFALO OLMIStED PARK SYSTEM**

Place-based Education  
Presenter(s): GayLynne Samsonoff  
I examine how education can be infused into park elements, in order to transform the Delaware Park into simulated classrooms and learning landscapes.

### 4:00 PM - 4:20 PM

**SCHOOL GARDENS: LEARNING TO SERVE ONE GARDEN AT A TIME**

Place-based Education  
Presenter(s): Steve Noble (City of Kingston), Julie Noble  
School gardens are “growing” all over America. Learn about a unique Service Learning program that provides youth the opportunity to garden and donate foods. Program will introduce Service Learning and how to develop this place-based program at your local schools/parks.

**4:30 PM - 4:50 PM**

**THE IMPORTANCE OF LOCAL INITIATIVES IN A SUSTAINABILITY STRATEGY**

Innovative Programs and Practices  
Presenter(s): Deborah Gondek (Rich Products Corp.)  
A strategic view is critical for prioritizing actions and measuring overall progress; don’t underestimate the power of engaging employees at all levels to raise awareness of issues and develop potential solutions. “GreenTeams” at Rich brought our sustainability vision to life!

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**Symposia**  
There are two Symposia this afternoon, see time and room information below

**2:00 PM - 3:20 PM**

**101-D**

**SUSTAINABILITY EDUCATION – TEACHING THE YOUTH**

Teaching and Learning Sustainability  
Presenter(s): Randy Komatsu  
There can be no better mechanism than educating younger students on the need of sustainability in much of what we do. This session will discuss options for involving youth in sustainability education across a wide variety of programs and initiatives.

**EXPERIENCING FILM: ENHANCING STUDENT ENGAGEMENT IN SOCIAL STUDIES**  
Presenter(s): Randy Komatsu

**TEACHING EDUCATION FOR SUSTAINABILITY**  
Presenter(s): Kelly Biedenweg

**TEACHING PRE-SERVICE TEACHERS ELEMENTARY MATH SCIENCE COURSES FROM SUSTAINABILITY FRAMEWORK**  
Presenter(s): Kim Charmatz

**THE IMPORTANT ROLE OF TRANSFORMATIVE LEARNING IN SUSTAINABILITY EDUCATION**  
Presenter(s): Christine Kelly, Joey Zocher (Urban Ecology Center), Steve Sandstrom (Sustainably speaking...
THURSDAY AFTERNOON SESSIONS

Symposia (continued)

There are two Symposia this afternoon, see time and room information below

3:30 PM - 4:50 PM

101-B
UNDERSTANDING SOCIO-ECOLOGICAL LEARNING AND IMPLICATIONS FOR PEDAGOGY AND CULTURAL CONTEXT

Socio-ecological Justice and Community Engagement

Moderator(s): Marcia McKenzie

Presenter(s): Paul Hart, Arjen Wals, Leesa Fawcett (Faculty of Environmental Studies, York University), Richard Kahn, David Greenwood

This session takes the topics of learning, pedagogy, and cultural context as touchstones in order to engage in a conversational joint-interview as a means of exploring a range of perspectives on these topics.

Combined Panels

Combined Panels are in various rooms in the convention center; they have two time slots this afternoon.

2:00 PM - 2:45 PM

101-E
TURN YOUR SCHOOL CAMPUS INTO A LEARNING LABORATORY

Energy Education and Green Technology

What better place to teach students about energy efficiency and renewable energy than in their very own laboratory: their school campus? Hear how programs in New York and Kentucky are doing just that.

WATKINS GLEN MIDDLE SCHOOL ECOSMART ENERGY AND ENERGY EFFICIENCY LEARNING LAB

Presenter(s): Greg Grodem (Watkins Glen Central School District)

This presentation will cover how we received the grant and planned the learning lab, as well as curriculum for teaching about clean energy systems and energy efficiency.

THE SCHOOL BUILDING AS A LEARNING LABORATORY FOR ENERGY ASSESSMENTS

Presenter(s): Karen Reagor (NEED Project), Doug Keaton (The NEED Project)

The National Energy Education Development (NEED) Project’s Energy Management Tools, provide students with the fundamentals of energy use, conservation and the science connecting them. Using the school building as the learning laboratory, students measure energy use, costs and environmental impacts.

101-B
SERVICE LEARNING AND SOCIAL ENGAGEMENT PEDAGOGY IN PRE-SERVICE TEACHER EDUCATION

Socio-ecological Justice and Community Engagement

This session will include research and practice presentations on innovative pre-service teacher education programs which involve a range of community partners and entail both meaningful social justice and ecological learning.

SERVICE-LEARNING, ECO-REGIONALITY, AND PRE-SERVICE SCIENCE TEACHERS

Presenter(s): Catherine Lange (Buffalo State College), Laura Rao (Buffalo State College)

This session will show concrete examples of a five-year service learning project, developed to bridge urban pre-service students with urban K-12 students in eco-regional issues. Community partners include after school science programs, nature preserves, and grass roots ecology groups.

SOCIAL ENGAGEMENT PEDAGOGY: EXPERIENCES FROM SIX UNIVERSITY PROFESSORS

Presenter(s): Min-Hwang Liang (School of Nature Resources and Environment, NDHU)

This paper shares experiences of six courses conducted in the National Donghua University, Taiwan. All courses adopted Social Engagement and aimed at creating opportunities for students to engage in real social and environmental justice issues.

101-C
SUStAINABILITY IN HiGHER EduCATiON

Teaching and Learning Sustainability

Colleges and universities are fertile grounds for sustainability education. In this session initiatives designed for use with college-aged students will be explored. This is a must for everyone involved with college programming around the idea of sustainability.

SUStAINABILITY: CULTIVATING UNDERSTANDINGS OF LIMITS, VALUES IN HiGHER EduCATiON

Presenter(s): Daniel Sherman (University of Puget Sound)

I present an approach to sustainability that complements a wide range of academic disciplines and curriculum tools that I have used with faculty members from a variety of backgrounds to incorporate sustainability into teaching and learning.

VARIATIONS OF SUStAINABILITY EduCATiON ON THE CONTEMPORARY CANADIAN CAMPUS

Presenter(s): Eric Nay (Ontario College of Art & Design)

A critical comparison of current Canadian universities’ sustainability initiatives from a pedagogical point of view framed around best practices and innovative course design.
Thursday Afternoon Sessions

Combined Panels (continued)

Combined Panels are in various rooms in the convention center; they have two time slots this afternoon.

4:00 PM - 4:45 PM

105

CITIZEN SCIENCE – INVOLVING CITIZENS IN SCIENTIFIC DISCOVERY IN THE NATURAL ENVIRONMENT

Conservation Education

Many schools are using citizen science projects, such as BirdSleuth! and Project BudBurst to involve students in scientific discovery. Learn about these projects, then see how The Elmwood Franklin School Nature Exchange implements citizen science projects for their young students.

DEVELOPING YOUR ENVIRONMENTAL EDUCATION “TOOLBOX”

Presenter(s): Jennifer Fee (Cornell Lab of Ornithology)

If you’re looking for an innovative teaching resource, come discover BirdSleuth! BirdSleuth students participate in citizen science, and are motivated because it gets them outdoors. It’s challenging and fun, and their data addresses real-world issues of local and global concern.

NATURE EXCHANGE FOR PRE-K AND ELEMENTARY STUDENTS

Presenter(s): Diane Evans (Elmwood Franklin School)

Nature Exchange is a program to get students, parents, and teachers directly involved with nature. Students collect objects, complete data reports, and share with classmates. Find out how they make the exchange and how to begin one at your school.

101-C

COMMUNITY ENGAGEMENT IN CARING FOR THE LOCAL COMMONS

Socio-ecological Justice and Community Engagement

This session will include two presentations focused on the local commons and the development of sustainable tourism and NY urban forests through community civic engagement.

DEVELOPING A MODEL FOR EFFECTIVE COMMUNITY STEWARDSHIP OF URBAN FORESTS

Presenter(s): Christine Moskell (Cornell University), Veronique Lambert, Lorraine Brooks (Cornell University Cooperative Extension)

Overview presentation of a social science research and community education project about the attitudes and motivations of city residents related to urban forest stewardship, including a description of community engagement efforts and outcomes in two New York City neighborhoods.

USING CIVIC TOURISM TO CREATE SUSTAINABLE COMMUNITIES

Presenter(s): Richard Jurin, Diane Gaede (University of Northern Colorado)

Civic tourism can help communities become more prosperous and ecologically sustainable, by reframing from a purely economic focus to a community engagement forum with all the community as active participants in creating a cultural, natural, and built commons.

45-minute Traditional Presentations

45-minute traditional presentations are in various rooms in the convention center; they have three time slots this afternoon.

2:00 PM - 2:45 PM

101-A

OUTDOOR ARTISTS: USING VISUAL ARTS TO LEARN ABOUT ENVIRONMENTAL PSYCHOLOGY

Arts, Culture, and Spirituality

Presenter(s): Catherine Game (Global Alliance of Artists)

This presentation draws on a case study from the Matthaei Botanical Gardens “Outdoor Artists” program in Ann Arbor, MI, to explore how art can be used to teach about the psychological benefits of nature.

107

EVALUATING EXPERIENTIAL EDUCATION AND STUDENT ACHIEVEMENT – ENVIRONMENTAL EDUCATION’S HOLY GRAIL?

Conservation Education

Presenter(s): Oksana Bartosh (Directions Evidence and Policy Research Group), Margaret Tudor, Robert Steelquist

Linking experiential education to student achievement remains an elusive goal. Pacific Education Institute (PEI), funded with NOAA’s Pacific Northwest B-WET, has developed the “Coastal Ecosystem Education” program, and used multiple methods for evaluating experiential education and “meaningful watershed education experiences.”

106-D

COMMUNITY-WIDE ENVIRONMENTAL EDUCATION

Conservation Education

Presenter(s): Suzi Zakowski (Audubon International)

Drawing from three case studies, this session will focus on how “demonstration sites” can be useful for teaching the whole community about emerging technologies, conservation practices, and projects that benefit the whole community.

106-B

BUILDING CONNECTIONS – USING MITS MODEL TO CREATE EFFECTIVE STATE NETWORK

Network and Leadership Development

Presenter(s): Sandra Ryack-Bell (Museum Institute for Teaching Science), Jane Heinze-Fry (Museum Institute for Teaching Science)

MITS, a model statewide network of 150 education organizations, provides professional development for teachers/informal educators, promotes statewide EE initiatives/plans, advises the Secretary for Environmental Affairs on EE and assists the Dept of Education with an environmental Service Learning program.
106-C BUILDING STATE EE CAPACITY THROUGH REGIONAL ENVIRONMENTAL LITERACY PLANNING
Network and Leadership Development
Presenter(s): Laura Downey (KACEE), Harry Heafer, Kathy Kropuenske (NACEE), Jenna Rhodes, Denise Morrison
Session discusses a regional capacity-building effort for developing environmental literacy plans (ELP). Iowa, Kansas, Missouri and Nebraska will share strategies and outcomes including a joint planning summit, individualized state work plans and processes, ongoing networking and support, and resulting ELPs.

103 FROM GOOD TO GREAT: INNOVATIONS IN CAPACITY BUILDING
Network and Leadership Development
Presenter(s): Rachel Bayer, Kay Antunez de Mayolo, Renee Strnad
EE programs are increasingly challenged to demonstrate their effectiveness. This session will look at how a national EE program (Project Learning Tree) is building capacity with its network of state programs, using techniques like organizational assessment tools, mentoring, and grants.

101-F PROFESSIONAL DEVELOPMENT NEEDS OF FORMAL, INFORMAL, NON-FORMAL EDUCATORS – NATIONAL STUDY
Network and Leadership Development
Presenter(s): Augustine Medina (EETAP)
What professional development is needed by environmental educators who work in formal, informal and non-formal learning settings? Find out what a national study revealed about priorities, gaps, and work needed to advance EE over the next five years.

104 ENHANCING PLACE-BASED EDUCATION OPPORTUNITIES THROUGH COMMUNITY PARTNERSHIPS IN INTERIOR ALASKA
Place-based Education
Presenter(s): Melissa Sikes (Friends of Creamer’s Field), Tricia Blake (Alaska Bird Observatory)
Learn how two non-profit conservation/education organizations led collaborative efforts to enhance and build sustainability into place-based education programs by building connections between program content and classroom curricula, training teachers, providing Web access for rural communities, and initiating internships.

108 PAIRING PRE-SERVICE SCIENCE TEACHERS WITH ENVIRONMENTAL EDUCATORS TO ENHANCE EE
Place-based Education
Presenter(s): Carolyn Viviano (Loyola Marymount University)
Students become agents of change and empowered teachers as they tackle issues related to water and the environment. A community-based learning course enables pre-service science teachers to work with environmental educators as they develop high school service learning projects.

105 THEORIZING PLACE-BASED EDUCATION: NATURAL, CULTURAL AND ONTOLOGICAL REALMS OF EXPERIENCE
Place-based Education
Presenter(s): Douglas Karrow (Brock University), Xavier Fazio (Brock University)
This session elaborates place-based education theory (PBE) by considering how conceptions of place influence PBE; arguing for a consideration of ontological realms of experience; and demonstrating how a citizen science program (NatureWatch) could be used to foster concernful knowledge.

101-H EDUCATION FACULTY’S UNDERSTANDING OF SUSTAINABILITY IN A CANADIAN UNIVERSITY
Teaching and Learning Sustainability
Presenter(s): Xia Ji (University of Regina)
This session shares findings from a baseline study about a Canadian university’s education faculty members’ understanding of sustainability and its relationship to their professional practice in teacher education.

109 ENVIRONMENTAL ATTITUDES OF CANADIAN HOMESCHOOLERS
Teaching and Learning Sustainability
Presenter(s): Emily McMillan (Laurentian University)
Using qualitative and quantitative methods, this research investigates in what ways the educational alternative of homeschooling influences attitudes toward the environment. Insights into factors that influence environmental attitudes will be useful to both formal and informal environmental educators.
45-minute Traditional Presentations (continued)

45-minute traditional presentations are in various rooms in the convention center; they have three time slots this afternoon.

3:00 PM - 3:45 PM

101-E  
CREATING CONSCIOUS CONSUMPTION: GREEN ENERGY IN THE CLASSROOM  
Energy Education and Green Technology  
Presenter(s): Will Parish  
Will Parish, environmental science teacher at Gateway High School, highlights inquiry-based/hands-on methods to supplement traditional curricula. Using green technology, students learn about energy challenges and solutions in terms of their own lives and the decisions they make every day.

101-H  
MEASURING ENVIRONMENTAL LITERACY THROUGH INTERNATIONAL AND NATIONAL ASSESSMENTS – WHAT’S NEXT?  
Innovative Programs and Practices  
Presenter(s): Karen Holiweg (NAAEE Past President), David Zandvliet (Simon Fraser University), William McBeth (University of Wisconsin-Platteville), Tom Marcinkowski (Florida Institute of Technology), Jose Marcos-Iga (Environmental Education Exchange), Ron Meyers  
Overviews will highlight what we have learned to date from large-scale assessments about environmental literacy in Canada, the U.S. and Mexico. Find out what new opportunities exist and add your country’s perspective as all of us discuss what’s next.

108  
PROMOTING ENVIRONMENTAL LITERACY IN PUERTO RICO: UMET’S TEACHERS TRAINING PROGRAM  
Innovative Programs and Practices  
Presenter(s): Maria Vilches (Universidad Metropolitana)  
Universidad Metropolitana offers an EE teacher training program to science teachers based in environmental literacy, PBL and technology. A valuable outcome of this Program is the periodical publication of contextualized environmental lessons designed by teachers for their school communities.

101-F  
ADVOCACY 101: A TOOL KIT FOR PROMOTING ENVIRONMENTAL EDUCATION  
Network and Leadership Development  
Presenter(s): Shareen Knowlton (Roger Williams Park Zoo), Brock Adler, Patrick Fitzgerald (National Wildlife Federation)  
Advancing EE requires organized leadership and advocacy. This presentation will cover advocacy basics at the local, state, and federal level, including step-by-step instructions of how to work with the media and legislators.

103  
SETTING THE ENVIRONMENTAL AGENDA IN WESTERN NY: LEARNING TO COLLABORATE  
Network and Leadership Development  
Presenter(s): Charlotte Young (ENVision...synergy)  
This session will describe process the Western New York Environmental Alliance followed to develop a shared agenda for western NY. It will emphasize activities we implemented to improve organizations’ ability to collaborate to implement the agenda.

101-G  
EE & SERVICE-LEARNING IN TROPICS: GLOBAL PERSPECTIVES FOR FUTURE EDUCATORS  
Place-based Education  
Presenter(s): Sarah Haines  
This presentation describes a tropical environmental education course, designed for science pre-service teachers and environmental education majors that was taught in Costa Rica and contained several service-learning components.

104  
PCEE’S OUTDOOR CLASSROOM RESOURCE GUIDE – SUPPORT FOR PLACE-BASED EDUCATION  
Place-based Education  
Presenter(s): Melissa Reynolds  
Are you interested in creating an outdoor classroom at or near your school? Would you like to offer a region-specific resource compilation, but don’t know where to begin? Come see PCEE’s online Resource Guide for designing and using Outdoor Classrooms.

101-C  
ADULTS NEED ENVIRONMENTAL/SUSTAINABILITY EDUCATION TOO!  
Teaching and Learning Sustainability  
Presenter(s): Kathleen Paul (PA Center for Environmental Education)  
How can environmental educators provide ADULTS with the information and resources necessary to make environmentally sustainable choices in their personal and professional lives? This presentation/group discussion will explore ways to make EE relevant and useful for the post-K-12 audience.

109  
GLUED TO OUR SEATS: BARRIERS TO THE OUT-OF-CLASSROOM EXPERIENCE  
Teaching and Learning Sustainability  
Presenter(s): Nancy McGee (Toronto and Region Conservation)  
In 2007, The Bondar Report, Ontario’s minister of education’s answer to environmental education (EE), proposed 32 recommendations that would offer EE a foothold in an over-booked, curriculum-strand laden school day. Three years later, are we outside or glued to our seats?

105  
HELPING 21ST CENTURY LEARNERS MAKE THEIR ENVIRONMENTAL CONNECTIONS  
Innovative Programs and Practices  
Presenter(s): Karin Davidson-Taylor (Royal Botanical Gardens)  
Our digital learners use mixed media to make sense of their world. Help our tech-savvy students make that vital connection to plants and their environment via videoconferencing. Discover how RBG is reaching out to urban, rural, and remote communities.

106-C  
NATURE IN MY NEIGHBORHOOD: COMMUNITY-BASED URBAN ENVIRONMENTAL EDUCATION  
Urban and Rural Interface  
Presenter(s): Akiima Price (New York Restoration Project)  
Nature can be found throughout urban neighborhoods even in the cracks of a sidewalk! NYRP’s education programs empower urban communities to contribute to the creation, use and care-taking of nature in their neighborhoods. Programming includes school programs, festivals, and cultural events.
45-minute Traditional Presentations (continued)

4:00 PM - 4:45 PM

108 BETTING ON THE FUTURE: PROPHETS, PROPHECY, AND ENVIRONMENTAL EDUCATION
Arts, Culture, and Spirituality K12, RE
Presenter(s): Richard Kool
Environmental educators have been characterized as “prophets of doom” for talking about the disastrous potential of our unsustainable management of the planet. Environmental scientists and environmental educators are more like Biblical prophets than you might expect!

106-B DISNEY’S PLANET CHALLENGE (DPC): PROJECT- AND SERVICE-LEARNING-BASED LESSON DEVELOPMENT
Conservation Education K12, SL
Presenter(s): Christiane Maertens (The Walt Disney Company), Sylvia Rodriguez (2008 Grand Prize Winner, Disney’s Planet Challenge)
Attendees discuss why project-based learning is important, ideas for developing a standards-based curriculum that speaks to their students, and ideas for funding projects and implementing them. This session will also focus on ideas for developing project-based and environmental-service-learning lessons.

104 GREEN LEADERSHIP ACADEMY: HIGH SCHOOL STUDENTS WORKING ON HABITAT RESTORATION
Conservation Education K12, SL
Presenter(s): Janice Greene (Missouri State University)
Green Leadership Academy for Diverse Ecosystems (GLADE) is a week-long academy for high school students. Students learn about local species and habitats and participate in habitat restoration. Students also conduct an environmental project in their community. Hear the results.

101-F NOAA PROFESSIONAL DEVELOPMENT TOOLS FOR EDUCATORS: OCEAN, COASTAL, AND CLIMATE EDUCATION
Conservation Education K12, WT
Presenter(s): Bruce Moravchik (NOAA National Ocean Service), Peggy Steffen (NOAA National Ocean Service)
Educators need vetted content to integrate cutting-edge science into their learning environment. NOAA provides online tutorials, lessons, resource links, Web seminars, media galleries, and interactive simulations to educate about coral and estuarine ecosystems and the ocean’s effect on climate.

101-E FUELING THE FUTURE: ENERGY INTERCONNECTIONS AND SUSTAINABLE SOLUTIONS
Energy Education and Green Technology K12, SL
Presenter(s): Jennifer Syrota (MacLachlan College), Dave Wilton (Facing the Future)
Experience hands-on lessons that demonstrate the interconnections between energy sources, human choices, economic challenges, and environmental impacts. This interactive session provides engaging lessons about sustainable choices, renewable and non-renewable sources, carbon emissions, and the politics of energy. Includes free curriculum!
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<td><strong>EATING LOCAL FOOD TO LIVE WELL, STRENGTHEN COMMUNITY, AND CHERISH EARTH</strong></td>
<td>Audrey Aadmodt</td>
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<td><strong>ECOSPirituality and Higher Education: Experiences From the 2009 FaculTy Fellowship</strong></td>
<td>Jessica Crowe</td>
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<td><strong>EE &amp; RELIGION: CONTRIBUTION OF CANdOmble JeJe in Ecological Training Subject</strong></td>
<td>Janete de Araujo</td>
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<td><strong>ELEMENTARY TEACHERS’ PERCEPTIONS OF ENVIRONMENTAL EDUCATION IN NOVA SCOTIA</strong></td>
<td>Elizabeth Spence</td>
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<td><strong>EMPOWERING PRIMARY SCHOOL FUNCTIONARIES IN WIKI SKILLS FOR ENVIRONMENTAL EDUCATION</strong></td>
<td>Hema Pant (Indira Gandhi National Open University)</td>
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<td><strong>ENGAGING IN REAL TIME SUSTAINABILITY - FGCU STUDENT SERVICE LEARNING PROJECTS</strong></td>
<td>Sarah Davis, Annette Snapp (Florida Gulf Coast University)</td>
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<tr>
<td><strong>ENVIRONMENT AWARENESS OF IN-SERVICE TEACHER TRAINEES IN AN OPEN UNIVERSITY</strong></td>
<td>Hema Pant (Indira Gandhi National Open University)</td>
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<td><strong>ENVIRONMENTAL EDUCATION IN FLORIDA’S VOLUNTARY PREKINDERGARTEN PROGRAM</strong></td>
<td>Sarah Larsen (Florida Gulf Coast University), Stephanie Goodwin (Florida Gulf Coast University)</td>
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<td><strong>ENVIRONMENTAL ETHICS: HELPING OTHERS UNDERSTAND AND ACT ON THEIR VALUES</strong></td>
<td>Rebecca Franzen (Northern Illinois University)</td>
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<td><strong>EUROPEAN MIGRANTS TRANSPORTED THE MONARCH BUTTERFLY TO THE WEST COAST?</strong></td>
<td>David Bouton (mountain meadow)</td>
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<td><strong>FIELDTRIPS OF A WETLAND ECOSYSTEM ALONG WITH GPS</strong></td>
<td>Pambina Lazaridou</td>
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<td><strong>FLEXING FRESHWATER MUSSELS</strong></td>
<td>Keith Williams (NorthBay)</td>
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FROM LOCAL FOOD EDUCATION TO ENVIRONMENTAL LITERACY: A GRAD PROGRAM  
Presenter(s): Paul Steury (Merry Lea Environmental Learning Center of Goshen College)

GREEN LEADERS CURRICULUM: USING AMERICA'S GREEN BUILDINGS AS LEARNING TOOLS  
Presenter(s): Hannah Miller

INCORPORATING PUBLIC AWARENESS: THE ST. CROIX EDUCATION AND OUTREACH PROGRAM  
Presenter(s): Migdalia Roach (DPNR-CZM-STXEMPP)

INTEGRATING SUSTAINABILITY EDUCATION INTO PRE-SERVICE ELEMENTARY AND SECONDARY TEACHER PREPARATION  
Presenter(s): Beth Shiner Klein, Starlin Weaver

KNOWLEDGE, PERCEPTION AND BEHAVIORAL OUTCOMES OF AN EXPERIENTIAL ENVIRONMENTAL LEARNING PROGRAM IN PUERTO SAN CARLOS, BAJA CALIFORNIA SUR, MEXICO  
Presenter(s): Anna Gauthier, Andrew Schneller

LEARNING GREEN, BEING GREEN: A GREEN SCHOOL RECOGNITION PROGRAM  
Presenter(s): Matthew Magoc (Pine Jog Environmental Education Center-Florida Atlantic University)

MULTIFACETED APPROACH TO PROFESSIONAL DEVELOPMENT OF TEACHERS IN ENERGY EDUCATION  
Presenter(s): Steven Kerlin (Northern Kentucky University)

NATURE JOURNALING: A PERSONAL CONNECTION WITH THE NATURAL WORLD  
Presenter(s): Juliette Watts (US Forest Service, Northeastern Area, State and Private Forestry)

NOAA FISHERIES SPECIES OF CONCERN PROACTIVE CONServation PROGRAM  
Presenter(s): Dwayne Meadows (NOAA Fisheries)

NON-CHEMICAL HERBICIDES TO DECLINE BROOMRAPE & OMIT ENVIRONMENTAL EFFECT  
Presenter(s): Mitra Ghotbi (Shahed University), Marjan Ghotbi (Faculty of Natural Resource and Agriculture, Science & Research branch of IAU, Tehran, Iran)

ONTARIO HIGH SCHOOL ETTEAM DESIGNS AND BUILDS SOLAR ELECTRIC VEHICLE  
Presenter(s): Theresa Sauren (Reduce the Juice)

PLACE-BASED SHIPBOARD EDUCATION IN BUFFALO, NY  
Presenter(s): Nate Drag (ERIE IGERT University at Buffalo)

PROFILE OF PROGRAMMING TRENDS, BEST PRACTICES AT NATURE-ORIENTED CAMPS  
Presenter(s): Rachel Demascal (Caddo Parish Parks)

RCP LEADERS & LEARNERS EXPERIENCE: LESSONS IN PLACE & COMMUNITY  
Presenter(s): Janene Giuseffi (Ohio University)

RESEARCH FOR EFFECT OF E-BOOK ON SCHOOL ENVIRONMENTAL EDUCATION  
Presenter(s): YunJung Jung (Tokyo University), Seonghoo Cho (Korea National University of Education)

RESIDENTS’ ATTITUDES TOWARD TREES IN STREETS AND PARKS IN NYC  
Presenter(s): Christine Moskell (Cornell University), Shorna Broussard Allred (Cornell University), Kristen Loria (Cornell University), Veronique Lambert, Lorraine Brooks (Cornell University Cooperative Extension), Alex Kudryavtsev, Susan Cheng (Cornell University)

RIVER-BASED SUMMER SCHOOL IN THE LARAMIE VALLEY, WYOMING  
Presenter(s): Joel Pontius (University of Wyoming)

SCHOOL AND COMMUNITY: BREAKING WALL AND BUILDING BRIDGE  
Presenter(s): Chien Chuang (Taiwan National Normal University Graduate Institute of Environmental Education), Trai-Shar Kao

SCIENCE IN THE COMMUNITY: A MODEL FOR PROMOTING ENVIRONMENTAL LITERACY  
Presenter(s): Christine Coughlin (New York University), Susan Kirch (NYU)

STUDENTS ANALYZE WIND AND SUNLIGHT FOR MORE SUSTAINABLE ELECTRIC GENERATION  
Presenter(s): Shawn Reeves (EnergyTeachers. org)

SUBSTITUTION OF ASTAXANTHIN WITH ORGANIC VITATION FOR PROVIDING HEALTHIER FOOD  
Presenter(s): Marjan Ghotbi (Faculty of Natural Resource and Agriculture, Science & Research branch of IAU, Tehran, Iran)

SURVEY OF BIOLOGICAL MONITORING PROGRAMS THAT INVOLVE STUDENTS AS MONITORS  
Presenter(s): Lynna Kaucheck (Whale Camp), Tom Marcinkowski (Florida Institute of Technology)

SUSTAINABLE GENERATION ODYSSEY  
Presenter(s): Donny Roush (Odyssey School)

SYNTHESIZING EARTH SYSTEM ESSENTIAL PRINCIPLES: WHAT EVERYONE NEEDS TO KNOW  
Presenter(s): Don Duggan-Haas

THE 125TH ANNIVERSARY OF NIAGARA FALLS STATE PARK  
Presenter(s): Tina Hoover (Niagara Region Programs Office, NY State Park), Carol Rogers (Niagara Region Programs Office)

THE FOOD JUSTICE PROJECT: YOUTH TRANSFORMING FOODWAYS THROUGH COMMUNITY PARTICIPATION  
Presenter(s): Bijan Kimiagar (CUNY Graduate Center - Environmental Psychology)

THE ROSES OF ECOLOGY  
Presenter(s): Shawn Moriarty

USING VOLUNTEERS TO GET YOUR MESSAGE OUT  
Presenter(s): Colleen Uuereb

UWSP’S GRADUATE FELLOWSHIP IN RESIDENTIAL EE: A PARTNERSHIP IN PRACTICE  
Presenter(s): Fran McReynolds

WALKING THE TALK: ENVIRONMENTAL EDUCATORS AND MEAT CONSUMPTION  
Presenter(s): Sandra Conners

WEB 2.0: NEW TOOLS FOR REACHING AUDIENCES ACROSS REGIONS  
Presenter(s): John Cawood

WHEN SCHOOL MEETS THE COMMUNITY: A PLACE-BASED EDUCATION CASE STUDY IN TAIWAN  
Presenter(s): Yu-Hsien Wen (National Taiwan Normal University), Trai-shar Kao (Taipei Municipal University of Education, Department of Education), Chung-chien Tsai (National Taiwan Normal University)

WORK-BASED LEARNING: PLACE-BASED EDUCATION FOR AT-RISK YOUTH  
Presenter(s): Katie Ross (Smoky House Center)

WPE ENVIRONMENTAL EDUCATION PROPOSAL FOR CAMEROON  
Presenter(s): Seta Wiertz (Wild Planet Eco Project)

WRITING ACROSS ENVIRONMENTS: STUDENT PERFORMANCE IN INDOOR AND NATURAL SETTINGS  
Presenter(s): Samantha Dolan (University of Washington)

YOUTH-LED REPTILE OUTREACH: A NEW MODEL FOR COMMUNITY ENVIRONMENTAL EDUCATION  
Presenter(s): Teala Tyson, Jeff Hathaway (Scales Nature Park/Sciensational Sssnakes!!)
The 2010 Exhibit Fair has something to offer to all attendees! Be sure to visit the more than 60 exhibitors and learn about their programs, pick up inspiring resources and books, purchase great gifts from the Green Market, and connect with our sponsors and thank them for their support of NAAEE.

There are some great events taking place at the Exhibit Fair, including the Opening Celebration on Thursday night, where you can:
- meet the candidates for the NAAEE Board at the NAAEE booth and ask about their plans for the future of NAAEE;
- browse the many poster presentations and interact with their presenters;
- learn more about your local affiliate organizations and indulge in some tasty treats at the Affiliate’s Welcome;
- meet NAAEE Commission members and find out how you can get involved in enhancing our profession;
- dine on a delectable dinner buffet of locally-grown foods

Grab lunch from a concession stand in the exhibit hall on Friday and then enjoy a sumptuous dessert buffet, comprised of locally harvested delights, and our Authors’ Corner, where more than 15 local and international authors will be on hand to sign and discuss their books. See Friday at a Glance for listing of authors (page 59).

Join us on Friday afternoon for New York State beer, hard cider, apple cider, and scrumptious cheeses while you network and bid on live auction items at the Stapp Scholarship Live Auction and Reception. See page 56 for more information.

And don’t forget that silent auction tables will be set up throughout the exhibit hall on Thursday and Friday. Items will rotate in and out throughout the Exhibit Fair; bidding closes on Friday at 5:00 PM. Be sure to check the tables often and place that winning bid!

EXHIBITORS
Organizations listed in bold type are sponsors.

<table>
<thead>
<tr>
<th>BOOTH ORGANIZATION</th>
<th>BOOTH ORGANIZATION</th>
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<tbody>
<tr>
<td>4 &amp; 5 Anvil</td>
<td>25 &amp; 26 Talking Leaves Books</td>
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<tr>
<td>6 Ethics Online</td>
<td>27 Creative Change Educational Solutions</td>
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<td>7 EE Exchange</td>
<td>28 PBS</td>
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<td>8 Council for Environmental Education (CEE)</td>
<td>29 NASA Global Climate Change Education</td>
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<td>9 First Hand Learning</td>
<td>30 NOAA Fisheries Protected Resources</td>
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<td>10 Routledge Journals</td>
<td>31 NOAA</td>
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<tr>
<td>11 We Add Up</td>
<td>32 NYS Energy Research and Development Authority (NYSERDA)</td>
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<tr>
<td>12 Ahskeneep Environmental Education Haudenosaunee Immersion Project</td>
<td>33 &amp; 34 Disney Planet Challenge</td>
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<td>13 Earth Day Network</td>
<td>35 &amp; 36 US Fish &amp; Wildlife Service</td>
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<tr>
<td>14 Centers for Disease Control and Prevention National Center for Environmental Health/Agency for Toxic Substances and Disease Registry</td>
<td>37 &amp; 38 US Forest Service</td>
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<td>15 NIEHS/Environmental Health Perspectives</td>
<td>39 NEEF</td>
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<td>16 Connecticut Valley Biological Supply</td>
<td>40 RiverWorks Discovery</td>
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<td>17 PASCO scientific</td>
<td>41 UWSPI/EETAP</td>
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<td>18 Holbrook Travel</td>
<td>42 &amp; 43 Toyota Motor Sales, USA, Inc.</td>
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<td>19 Bullfrog Films, Inc.</td>
<td>44 NAAEE</td>
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<td>21 Peace Corps</td>
<td>45 National Project for Excellence in EE</td>
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<td>22 Tour-Mate Systems</td>
<td>46 Nature Explore</td>
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<tr>
<td>23 Project WET Foundation</td>
<td>47 - 49 Career Fair &amp; Students and Young Professionals Lounge</td>
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<tr>
<td>24 McDonald &amp; Woodward Publishers</td>
<td>50 Student Conservation Association (SCA)</td>
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Don’t forget to visit the NAAEE booth and learn more about the great benefits we offer such as the Guidelines for Excellence.

EXHIBIT FAIR SCHEDULE
Exhibition Hall North

THURSDAY, SEPTEMBER 30
3:30 PM - 8:30 PM Exhibit Hall Open
6:30 PM - 8:30 PM Exhibit Fair Opening Celebration

FRIDAY, OCTOBER 1
11:00 AM - 7:00 PM Exhibit Hall Open
11:30 AM - 1:30 PM Authors’ Corner
5:30 PM - 7:00 PM Stapp Scholarship Live Auction and Reception
GET ACQUAINTED WITH THE NEW EE-LINK

Visit the NAAEE booth and see the new EE-Link – the Web’s most comprehensive site for environmental education materials, resources, and people. The all-new www.eelink.net makes it easy to search for and post new materials, and contribute your thoughts and feedback. Join Adrian Ayson, NAAEE Technology Manager and Mary Ocwieja, EE-Link Editor to try out EE-Link’s new features.
STAPP SCHOLARSHIP AUCTION AND RECEPTION

Friday, October 1
5:30 PM – 7:00 PM
Convention Center Exhibit Hall North

NAAEE’s annual Stapp Scholarship auction event is a little different this year. First off, silent auction items will be on display in the exhibit hall starting on Thursday, and bid sheets will be open until Friday at 5:00 pm. We heard that you want more free time, so instead of heading offsite Friday night, we’ve moved the live auction event to an earlier time and kept it at the convention center. Come to the exhibit hall and enjoy socializing, networking, bidding, and complimentary New York wine, beer, hard cider, nonalcoholic cider, and some fabulous New York State cheeses. All of which is sure to put you in an Empire State of mind!

You’ll have time after the auction event to get out and explore Buffalo or to meet up with new and old friends. Stop by the Welcome to New York table in the convention center lobby for information on Buffalo’s restaurant scene. Attendance to this event is included in a Full Conference or Friday one-day registration.

Donations to the auction (as of August 30) include a rafting gift certificate to Adventure Calls Outfitters, Inc.; snowshoes from Great Canadian Canoe & Kayak Co.; $3,000 worth of Columbia Sportswear gear; overnight stays at four San Juan, Puerto Rico hotels; a pair of his and her Patagonia fleece jackets; and a one year ZipCar membership, just to name a few. Of course, we also expect NAAEE Affiliates and other organizations to come on strong with their wonderful basket donations. And why not, NAAEE is giving a 2011 Full Conference registration to the group that donates the basket that earns the highest bid!

Please check your name badge to be sure you sent an RSVP for this event.

If you brought an auction item with you for donation, please go to the boardroom in the convention center and drop it off before noon on Thursday.

NAAEE GIVES!

Community Service Project

Friday, October 1, 10:00 AM - 12:00 PM
(Registration Desks – Convention Center)

Conference attendees will have the chance to join Re-Tree Western New York in their efforts to replant 30,000 trees that were destroyed during a freak ice storm in 2006. This event will not only serve as a community service project, but will also help offset the carbon emissions generated during our use of the convention center. NYSOEA and NAAEE chose to work with Re-Tree WNY to make sure that the carbon offsets benefited the local community. Please meet in the registration area at 9:50 AM.
Thank you $5,000 Sponsors

Educator Workshops

Enrich your curriculum with Project WILD, Project WET, Project Learning Tree and more! NYS Department of Environmental Conservation offers FREE professional development workshops for teachers and youth leaders.
Visit www.dec.ny.gov/education/1913.html

One planet...
a multitude of challenges.

Come visit us to learn about free educational tools available to you.

RiverWorks Discovery
RiverworksDiscovery.org

Stop by to see us at booth 40 in the exhibit hall!

Enhance student’s connection to learning with DVDs from PBS
Order now at www.naaee.org/pbs
## FRIDAY AT A GLANCE

**FRIDAY, OCTOBER 1**

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity, Location</th>
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<tbody>
<tr>
<td>7:00 AM</td>
<td>Coffee Carts Open, Convention Center Lobby</td>
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<tr>
<td>7:00 AM - 8:15 AM</td>
<td>CCC Meetings (see pages 24-25 for details)</td>
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<tr>
<td>8:00 AM - 7:00 PM</td>
<td>Registration Desks Open, Convention Center Lobby</td>
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<tr>
<td>8:00 AM - 11:00 AM</td>
<td>NAAEE Office Open, Ellicott Room - Hyatt</td>
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<tr>
<td>8:30 AM - 11:45 AM</td>
<td>Concurrent Sessions, Convention Center</td>
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<tr>
<td>11:00 AM - 7:00 PM</td>
<td>Exhibit Hall Open, Convention Center</td>
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<tr>
<td>11:30 AM - 1:30 PM</td>
<td>Authors’ Corner, Convention Center Exhibit Hall North</td>
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<td><em>(Lunch for sale; Dessert Buffet included with conference registration. Thank You Disney Planet Challenge for sponsoring the Dessert Buffet.)</em></td>
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<td>12:15 PM - 1:15 PM</td>
<td>CCC Meetings (see pages 24-25 for details)</td>
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<tr>
<td>1:30 PM - 5:00 PM</td>
<td>NAAEE Office Open, Ellicott Room - Hyatt</td>
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<td>1:30 PM - 4:20 PM</td>
<td>Concurrent Sessions, Convention Center</td>
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<td>4:30 PM - 5:30 PM</td>
<td>CCC Meetings (see pages 24-25 for details)</td>
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<td>5:30 PM - 7:00 PM</td>
<td>Stapp Scholarship Live Auction &amp; Reception (see page 56 for details)</td>
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<td><em>(Drinks and appetizers included with conference registration—RSVP required.)</em></td>
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<tr>
<td>7:30 PM - 9:00 PM</td>
<td>Sponsor &amp; Donor Thank You, Bijou Grille; invitation only</td>
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<tr>
<td>10:00 PM - Midnight</td>
<td>After Hours Sing Along, Delaware A - Hyatt</td>
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## PLANNING PAGE

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<th>Time</th>
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NOTES
RECEPTIONS, SPECIAL EVENTS, AND MEETINGS

Yoga Self Practice ~ 6:00 AM (Niagara Room - Hyatt)
Bring your own mat; room is open for two hours.

Center Yourself with Relaxing Tai Chi ~ 6:00 AM (Roosevelt Square)
Prepare yourself to face the day with tai chi in Roosevelt Square directly across from the Hyatt Regency Buffalo’s Main Street entrance. Participants are encouraged to bring water. Beginners welcome.

Get Your Day Started with the Buffalo Niagara Convention & Visitors Bureau! ~ 6:00 AM (Main Street Entrance – Hyatt) “Walk Buffalo” is a 2.5 mile brisk walking tour that begins at the Hyatt Regency Buffalo (Main Street entrance). There are 28 stops on the tour, including such renowned landmarks as Louis Sullivan’s Guaranty Building, Richard Upjohn’s St. Paul’s Cathedral, Daniel Burnham’s Ellicott Square Building, and Buffalo’s magnificent Art Deco City Hall.

Authors’ Corner ~ 11:30 AM - 1:30 PM (Exhibit Hall North – Convention Center)
Lunch will be for sale in the exhibit hall during this event, which includes a dessert buffet (included with conference registration; RSVP required) made with locally harvested products. Thank you Disney Planet Challenge for sponsoring the dessert buffet and thank you Rich Products for donating the gluten free option.
As of August 23 the following authors have committed: Liz Armstrong, David Bouton, Mary Breunig, Herb Broda, Frank Glew, Tim Grant, Richard Jurin, Elin Kelsey, Jane Kirkland, Jessica Kratz, Mallory McDuff, Marcia McKenzie, Richard Reynolds, Donny Roush, Peter Salmonsohn, Bora Simmons, Al Stenstrup.

The New York State Outdoor Education Association Meeting ~ 11:30 AM - 12:30 PM (Ballroom – Convention Center) All NYSOEA members and state residents are encouraged to attend. Reports on the 2010 happenings and plans for the future. Membership will have the opportunity to discuss the annual report and to thank outgoing board members and welcome new ones.

The University of Michigan School of Natural Resources and Environment Meeting ~ 11:30 AM - 1:30 PM (Atrium Bar and Bistro Atrium Cove – Hyatt) Please join fellow School of Natural Resources and Environment alumni and friends for an informal gathering hosted by Gus Medina.

A Live School Assembly Presentation: Where Is the Great Outdoors ~ 12:00 PM - 1:15 PM (101-D) A live performance of an interactive school assembly focused on reconnecting children with nature. The Missoula Children’s Theatre and U.S. Forest Service work together to introduce outdoor and conservation themes into programs that build life skills through the performing arts.

No Child Left Inside Coalition Dessert Reception ~ 12:00 PM – 1:00 PM (101-B) Stop by to enjoy dessert with other members of the NCLI Coalition from across the country. Find out more about our strategy for success on Capitol Hill, and join the coalition if you haven’t already. All are welcome.

Get Acquainted with the New EE-Link ~ 12:00 PM – 1:00 PM and 4:00 PM – 5:00 PM (Exhibit Fair – NAAEE Booth) Visit the NAAEE booth and see the new EE-Link - the Web’s most comprehensive site for environmental education materials, resources, and people. The all-new www.eelink.net makes it easy to search for and post new materials, and contribute your thoughts and feedback. Join Adrian Ayson, NAAEE Technology Manager, and Mary Ocwieja, EE-Link Editor, to try out EE-link’s new features.

The National Schoolyard Action Network Meeting ~ 2:30 PM - 4:30 PM (Regency A - Hyatt) This is the annual gathering at the NAAEE conference for National Schoolyard Action.

The U.S. Fish and Wildlife Service Employees’ Meeting ~ 4:30 PM - 5:30 PM (Regency A - Hyatt) Meet other FWS staff attending the conference.

The Annual Stapp Scholarship Live Auction & Reception ~ 5:30 PM - 7:00 PM (Exhibit Fair) Please see page 56 for details.

Multi-cultural Gathering; Sponsored by the NAAEE Diversity Committee ~ 7:30 PM No Host Dinner Off-site with local community groups (See bulletin board in convention center lobby for location).The Diversity Committee is hosting two gatherings as part of the association’s efforts to make the conference more inclusive and welcoming to people from diverse ethnicities and cultural backgrounds. Join us in celebration and building community.
## FRIDAY MORNING SESSIONS

### The Film Room (106-A)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Description</th>
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<tbody>
<tr>
<td>8:30 AM</td>
<td><strong>EII PRESENTS BECKY'S FEN: A REAL-LIFE ENVIRONMENTAL ISSUE</strong>&lt;br&gt;Conservation Education K12&lt;br&gt;Presenter(s): Barbara Ehlers (Upper Iowa University), Carl Bollwinkel (Environmental Issues Instruction)&lt;br&gt;Farmer Bill Kauten purchases some wetland and makes diligent attempts to drain the land. A variety of people get involved, including the Department of Natural Resources, Pheasants Forever, Fayette County Conservation, and his middle school-age daughter, Becky.</td>
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<td>9:40 AM</td>
<td><strong>MARCH POINT</strong>&lt;br&gt;Socio-ecological Justice and Community Engagement DV, K12&lt;br&gt;Presenter(s): Tracy Rector (Longhouse Media)&lt;br&gt;Cody Nick and Travis, three teens from the Swinomish Tribe, originally wanted to make a gangster movie, but they ended up making a film about the impact of two oil refineries on their reservation.</td>
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### EE Certification Headquarters (105)

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<tr>
<td>8:30 AM</td>
<td><strong>CERTIFICATION 101: DEVELOPING AN EE CERTIFICATION FOR A STATE, REGION, OR PROVINCE</strong>&lt;br&gt;Innovative Programs and Practices&lt;br&gt;Moderator(s): Brenda Weiser (University of Houston-Clear Lake)&lt;br&gt;Presenter(s): Katie Navin (Colorado Alliance for Environmental Education), Elena Takaki (National Geographic), Andree Walker (USEE), Libby Wilcox (Office of Environmental Education), Tom Marcinkowski (Florida Institute of Technology)&lt;br&gt;Interested in organizing a certification program? Experienced certification program representatives will talk with you about how they determined what operational and administrative elements best suit the needs of their stakeholders. Find a model to help you develop your own program.</td>
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<td>10:00 AM</td>
<td><strong>DEVELOPING A FINANCIAL PLAN FOR AN EE CERTIFICATION PROGRAM</strong>&lt;br&gt;Innovative Programs and Practices&lt;br&gt;Moderator(s): Libby Wilcox (Office of Environmental Education)&lt;br&gt;Presenter(s): Elena Takaki (National Geographic), Andree Walker (USEE)&lt;br&gt;Take home everything needed to develop a financial plan for your state’s EE certification program. Information will include a financial plan framework, budget templates, and fund development strategies. Bring your organization’s budget to participate in this hands-on session.</td>
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### The 20-Minute Presentation Room (102)

<table>
<thead>
<tr>
<th>Time</th>
<th>Session Description</th>
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<tr>
<td>8:30 AM</td>
<td><strong>FAITH IN ACTION: WORKING WITH CHURCHES TO SAVE THE WORLD</strong>&lt;br&gt;Arts, Culture, and Spirituality DV&lt;br&gt;Presenter(s): Mallory McDuff (Warren Wilson College)&lt;br&gt;Churches today are installing solar panels, hosting farmers markets, and lobbying for environmental legislation. Concrete strategies exist for connecting faith communities to environmental issues. This session presents case studies and lessons learned for integrating the environment into ministries of churches.</td>
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<tr>
<td>9:00 AM</td>
<td><strong>EVALUATING ZOO EXHIBIT DESIGNED TO BUILD INTEREST IN LOCAL HABITATS</strong>&lt;br&gt;Innovative Programs and Practices RE&lt;br&gt;Presenter(s): Annie Oxarart (University of Florida), Martha Monroe, Annelena Delgado (University of Florida)&lt;br&gt;A new children’s exhibit at Brevard Zoo supports nature exploration, education, and appreciation of the nearby Indian River Lagoon. This session will provide an overview of this exciting and interactive exhibit, share evaluation results, and reflect on our lessons learned.</td>
</tr>
<tr>
<td>9:30 AM</td>
<td><strong>THE EFFECTIVENESS OF EXPERIENTIAL ENVIRONMENTAL EDUCATION IN CONNECTING YOUTH TO NATURE</strong>&lt;br&gt;Conservation Education RE, WT&lt;br&gt;Presenter(s): Lauren Hanneman (San Jose State University)&lt;br&gt;The O’Neill Sea Odyssey program is a nonprofit that exists to foster awareness of environmental stewardship and personal responsibility among program participants. The program provides a hands-on experience to encourage the protection and preservation of our living sea and communities.</td>
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<tr>
<td>10:00 AM</td>
<td><strong>BLURRING BOUNDARIES: THE ROLE OF VITAL COALITIONS IN EE</strong>&lt;br&gt;Network and Leadership Development DV, K12&lt;br&gt;Presenter(s): Arjen Wals, Marion van der Waal (Wageningen University)&lt;br&gt;Traditional EE actors in the Netherlands experiment with so-called ‘vital coalitions’ in which they work together with less-traditional actors as policy makers, schoolteachers and businesses. We present several researched exemplary cases and focus on the social learning process.</td>
</tr>
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</table>
FRIDAY MORNING SESSIONS
The 20-Minute Presentation Room (102) (continued)

10:30 AM - 10:50 AM
WHAT EVERY CITIZEN NEEDS TO KNOW ABOUT ATMOSPHERIC SCIENCE
Innovative Programs and Practices IT, K12
Presenter(s): Roberta Johnson (UCAR)
The Atmospheric Science Literacy Framework identifies the seven Essential Principles and 33 associated Fundamental Concepts for atmospheric science literacy. Armed with this understanding, citizens will be equipped to accurately communicate about and make informed decisions regarding the atmosphere.

11:00 AM - 11:20 AM
CONSERVATION EDUCATION IN MEXICO: PAINTING THE BIG PICTURE
Conservation Education IT, RE
Presenter(s): Jose Marcos-Iga (Environmental Education Exchange)
Come learn about the big picture of conservation education in Mexico: Who is engaging in conservation education practices, how important is it for their organization, who are they targeting, which methods are they choosing, and what issues are they addressing?

THE ROUNDTABLE ROOM ~ 9:30 AM - 10:50 AM
Convention Center Ballroom

A GUIDE TO THE MARKETING AND DEVELOPMENT OF AN ONLINE M.S. DEGREE
Presenter(s): Lesley Sheridan (UW-Stevens Point - EETAP), Rick Wilke
Discuss the purpose, methods, and results of a Web-based consumer research survey of EE professionals, conducted to develop marketing strategies for an online M.S. degree, and have the opportunity to ask questions about the new degree program.

AN INTRODUCTION TO NAAEE’S NEW OFFICE IN MEXICO
Presenter(s): Emilia de la Sienna (NAAEE/CECEDASU/CICEANA)
Emilia de la Sienna is NAAEE’s representative in Mexico. She is working to build a network of environmental educators in Mexico. Come talk with her about what we have done and help shape our future in Mexico.

ANGLING FOR WATER QUALITY: A RECREATIONAL APPROACH TO INCREASING STEWARDSHIP
Presenter(s): Zachary Thomas (Texas Tech University), Tom Arsuffi (Llano River Field Station - Texas Tech University @ Junction)
By connecting sport fishing to STEM-based aquatic curricula, participating teachers will be able to offer a new classroom experience after our hands-on workshops. This new outdoor program will increase environmental literacy and aquatic stewardship.

AN INTERACTIVE EDUCATIONAL GAME ON EMERGENCY SIMULATION
Presenter(s): Marta Lacruz
The game created by lavola is based on a brand new technology developed for the Catalan regional government to disseminate, through an innovative educational simulation, how an emergency is approached.

ASSESSMENT AND EVALUATION IN AN ENVIRONMENTALLY-CHALLENGED WORLD
Presenter(s): Veronica Hotton
An eco-philosophical position will illustrate how dominant modes of mainstream assessment and evaluation in formal education are unecological. Practices of assessment and evaluation that both foreground the natural world and engage students and teachers relationally and ecologically will be suggested.

11:30 AM - 11:50 AM
NOT JUST YOUR TRADITIONAL CAMP COUNSELOR
Innovative Programs and Practices
Presenter(s): Amanda Berlinski (The Peggy Notebaert Nature Museum)
Over 2/3 of the interns in the Nature Museum Summer Camps internship program have rated their experience as the most rewarding opportunity of their academic careers. Learn about this internship model, proven to improve programs and enhance learning on every level.

AUDUBON WYOMING’S COMMUNITY NATURALIST APPROACH TO EDUCATION
Presenter(s): Dustin Downey (Audubon Wyoming), Jacelyn Downey (Audubon Wyoming)
Audubon realizes that one nature center cannot meet the education needs of the entire state; therefore, we initiated the Community Naturalists program in 2005. Community Naturalists are our primary approach in delivering the Audubon mission to Wyoming communities.

AUTHENTIC LEARNING COMMUNITIES: RESEARCH AND PRACTICE
Presenter(s): Karen Wallace (Buffalo Museum of Science)
This session will highlight current place-based research. Emphasis on authentic applications that connect natural and cultural communities; engaging students in local environmental issues. Participants will explore hands-on activities such as Snow Science, Urban Ecology, Invasive Species and Phenology Studies.

AXIOMS FOR ENVIRONMENTAL EDUCATION
Presenter(s): Donny Roush (Odyssey School)
Education requires communication. As communicating is a skills-based process, we can learn to do it better. More clearly. More effectively. With wider and deeper impacts. We offer a helpful set of principles for better communications.

BUDDING GARDENER NUTRITIONAL CAMP: A MULTI-DISCIPLINARY EXTENSION PROGRAM
Presenter(s): Vanessa Spero-Swingle, Linda Seals (Brevard County UF/IFAS Extension), Elizabeth Shephard (University of Florida Brevard County Extension Service), Melissa Shoff (University of Florida Brevard County Extension Service)
Budding Gardener Nutritional Camp takes youth through the biology behind gardening and into the importance of eating healthy through experiential programming. Youth exhibit knowledge gain and behavioral changes, providing evidence of the effectiveness and impacts of this program.
THE ROUNDTABLE ROOM ~ 9:30 AM - 10:50 AM
Convention Center Ballroom

(continued)

BUILDING COMMUNITY THROUGH COLLABORATION: INTERNSHIPS AT ANTIOCH NEW ENGLAND RE, SL
Presenter(s): Nicole Lavoie (Antioch University New England)
Each year, Antioch University New England graduate students complete professional internships in the Environmental Studies Department to serve the greater community. Our workshop seeks to inform the environmental education community of the resources and skills Antioch students have to offer.

CHILDREN IN THE CITY OF TREES SL
Presenter(s): Lacey Brown
Children need to develop a personal relationship with the natural world to appreciate and protect the urban forest. Casey Trees helps them achieve this through comprehensive school partnerships. My presentation demonstrates how our planting and inventory programs teach environmental literacy.

CONSERVATION PLANNING FOR NATURE CENTERS: IMPACTING WILDLIFE, HABITATS, AND MORE. BI
Presenter(s): Pam Musk (Audubon New York)
Planning nature center goals around conservation goals can be a powerful way to engage the public and impact conservation. Through examples and practice, a new method for planning will demonstrate how to focus our efforts to achieve results.

CULTIVATING STEWARDSHIP AND CIVIC ENGAGEMENT: HEALTHY NEIGHBORHOODS/HEALTHY KIDS PROJECT K12, SL
Presenter(s): Tiffany Tillman (Vermont SWEEP), Jennifer Cirillo (Shelburne Farms and VT SWEEP)
Healthy Neighborhoods/Healthy Kids is an innovative project that involves students in sustainable community planning, and exploring the relationship between the health of individuals and the health of communities. Participants will experience the project process and apply it to their own communities.

DEEP PEDAGOGY: WISDOM FROM THE EAST AND WEST K12, RE
Presenter(s): Xia Ji (University of Regina)
To center environmental education on a sense of the sacred and how we are deeply embedded in the natural process of the earth/cosmos, deep pedagogy brings together “deep ecology,” eastern and western pedagogical theories and wisdom in the arts.

DEVELOPING A CONCEPT MAP, EXAMINING LITERACY OF GLOBAL WARMING IN TAIWAN K12, RE
Presenter(s): Shin-Cheng Yeh (National Taiwan Normal University), Huiching Yu
A concept map approach was employed to depict the framework of global warming/climate change. The first-leveled categories were defined as “scientific facts,” “impacts,” “adaptation,” and “mitigation.” Surveys were also conducted to examine the literacy of students and the general public.

ECOLOGY OF PROGRAM EVALUATION: INNOVATIVE WAY TO ASSESS KNOWLEDGE GAIN RE
Presenter(s): Michelle Andrews (UGA/Forest Service), Babs McDonald, Drew Burnett (U.S. EPA), Michaela Zint (University of Michigan)
Program evaluation that is quick, easy, and free is here. EUGENE will provide nonformal EE with an innovative, web-based tool for program improvement and accountability. Stop by and hear all about it!

EDUCATING TEACHERS FOR A MORE SUSTAINABLE FUTURE IT
Presenter(s): Rosalyn McKeown, Charles Hopkins
Participants will share their efforts to weave sustainability into teacher education programs. Organizers will also share examples from around the world from the International Network for Reorienting Teacher Education toward Sustainability and other UNESCO teacher education activities.

EE LEGISLATION: BILLS THAT EVERY EE PROFESSIONAL SHOULD KNOW ABOUT K12, SL
Presenter(s): Linda Rhoads, Patrick Fitzgerald (National Wildlife Federation), Shareen Knowlton (Roger Williams Park Zoo), Danielle Moodie (National Wildlife Federation)
As a professional in the field of environmental education, it is important to be aware of the bills and policies that impact our work. Learn more about these different pieces of legislation and what opportunities they may afford.

ENVIRONMENTAL ISSUES: CONNECTING KNOWLEDGE AND PRACTICE WITH COLLEGE FRESHMEN K12, SL
Presenter(s): Barbara Biglan (Chatham University)
Invasive species, food, energy, environmental health, and sustainability are among the themes in required college first-year science courses. Participate in student activities that join content knowledge with personal and community involvement through inquiry-based investigations, case studies, role playing, and Webquests.

EXPLORING PLACE-BASED EDUCATION AND THEORY THROUGH A STUDY ABROAD PROGRAM K12
Presenter(s): Mary Leou (New York University), Christine Coughlin (New York University)
How can travel experiences further place-based education in the context of global environmental issues? An overview of a study abroad program to Greece designed to explore the relationship between humans, nature and place will presented.

EXPLORING TRANSFORMATIVE EE: LIVED-EXPERIENCE OF ARCTIC EXPEDITION YOUTH PARTICIPANTS RE
Presenter(s): Lilith Wyatt (Royal Roads University)
Environmental education (EE) can provide a deeply transformative experience for participants. The field of EE focuses lacks research exploring what precisely characterizes such a transformation. The research presented explores this question.

GREAT LAKES LITERACY: LINKING TEACHERS TO THE REGIONAL ENVIRONMENT K12, WT
Presenter(s): Rosanne Fortner (COSEE Great Lakes), Lyndsey Manzo, Helen Domske
COSEE Great Lakes has developed a literacy framework to guide professional development for regional teachers and public education about the lake environment. This presentation describes how COSEE’s five-year program has enhanced place-based education for classrooms and non-formal settings.

GREEN YOUR SCHOOL: SUCCESS STORIES FROM THE FIELD K12
Presenter(s): Sean Miller (Earth Day Network)
Schools represent the largest construction sector in the U.S. and more than 38 percent of CO2 emissions. Greening America’s schools presents the opportunity to address a number of societal concerns, from climate, to health, and even test scores.
THE ROUNDTABLE ROOM  ~ 9:30 AM - 10:50 AM
Convention Center Ballroom

(continued)

GREENSCHOOLS!  K12, SL
Presenter(s): Jackie Stallard (Project Learning Tree), Al Stenstrup (American Forest Foundation)
Project Learning Tree’s GreenSchools! program connects PLT classroom activities and environmental service-learning projects. Join us to learn more about the program, how to organize a GreenSchools! training, and get free access to PLT GreenSchools! resources and materials online.

HANDS-ON CLIMATE AND ENERGY ACTIVITIES  K12
Presenter(s): Karen Reager (NEED Project), Doug Keaton (The NEED Project)
Participants will work with hands-on activities and simulations that teach about climate change. Activities will focus on the carbon cycle, the chemistry of climate change, and how our energy choices affect our climate.

INTO THE HEART OF NATURE: DEEPENING YOUR EE PRACTICE  BI
Presenter(s): Catriona MacGregor
Deepening our experience in nature transforms us and the Earth. Learn how to deepen your own experience, as well as your work with youth and adults. Participants will share their experiences and take a guided journey into the “Heart of Nature.”

INVESTING IN THE GREATER OUTDOORS & INCREASING YOUTH PARTICIPATION OUTDOORS  BI
Presenter(s): Scott Welch (Columbia Sportswear Company)
Learn about Columbia’s innovative community partnerships promoting environmental education and conservation and discuss why kids are staying inside, the most effective strategies for getting youth outdoors, and how industry can best support outdoor programs for youth.

MAKING A DIFFERENCE: STUDENT DEMONSTRATION PROJECTS  SL
Presenter(s): Randy Komatsu
The Make A Difference Summit is an annual event to celebrate the hard work done by students to make a difference in their schools and communities. This summit allows students to share their community- and school-based learning projects.

NAAEE COLLEGE FACULTY FELLOWSHIP – REPORT FROM A SUCCESSFUL EXPERIENCE  RE
Presenter(s): Richard Groover (J. S. Reynolds Community College)
Results of a NAAEE Faculty Fellowship to improve the content and delivery of the freshman environmental science course developed for the Virginia Community College System is presented. The Fellow will report the success of this program.

NATURE WALKS: UNDERUTILIZED VEHICLE FOR EDUCATORS TO BEGIN ENVIRONMENTAL LITERACY  EC, K12
Presenter(s): Susan Stratton (SUNY Cortland), Laura Carey (New York State Dep. of Environmental Conservation)
Session explores survey findings on the value teachers attach to taking students outdoors. A faculty member and a DEC trainer are collaborating to develop an innovative approach for teachers to effectively use nature walks with children to focus on environmental literacy.

OUT-OF-Sync AND SENSORY STARVED  DV, EC
Presenter(s): Kathy Ambrosini (Mohonk Preserve)
If today’s children are nature-deprived, could factors such as hyperactivity, distractibility, attention-deficit and impulsivity stem from that loss? Come explore strategies that re-integrate the sensory processes that lead to learning, while alleviating these symptoms.

PARTNERSHIP ROLES IN NATURAL CONSERVATION STRATEGIES: SIERRA DE HUAUTLA, MÉXICO  IT, RE
Presenter(s): Gabriela Yanez (Simon Fraser University)
This research focuses on proposing a new approach of research into conservation partnerships. The site of this research is the Biosphere Reserve of Sierra de Huautla Mexico.

RAISING FUNDS FOR ENVIRONMENTAL SERVICE-LEARNING PROGRAMS  BI, SL
Presenter(s): Vince Meldrum
Environmental educators across the country are using service learning, but few have explored related funding opportunities. This workshop will review the federal, state and private agencies supporting service learning and provide insights of how to attract funding for service learning.

SLASH THE TRASH: SCHOOLS STOP WASTE AND SAVE THE BAY  SL
Presenter(s): Sigrid Mueller (Save The Bay), Mark Spencer, Nathan Ivy (Alameda County Office of Education)
In 2009, Save the Bay partnered with StopWaste.Org to engage middle and high school students in service-learning projects designed to promote watershed health through campus waste reduction campaigns. Project leaders will share lessons learned to help attendees implement similar programming.

SPIRITUALITY IN SECULAR NON-FORMAL ENVIRONMENTAL EDUCATION  DV, WT
Presenter(s): Keith Williams (NorthBay)  SL
Spiritual connection can be an important factor in achieving environmental behavior change, but how do we include spirituality in secular environmental education? This presentation explores one educator’s investigation into this question.

STUDY OF PRE-SERVICE TEACHER EDUCATION AT ENVIRONMENTAL LIBERAL ARTS COLLEGES  RE
Presenter(s): Teresa Coker
Come learn what we determined from examining course catalogues and syllabi, and interviewing faculty and students, concerning how a variety of environmental liberal arts colleges are preparing pre-service teachers in regards to environmental education.

TEACHING THE “BROKEN” WATER CYCLE  K12, WT
Presenter(s): Cornelia Harris, Kim Notin (Cary Institute of Ecosystem Studies), Alan Berkowitz (Cary Institute of Ecosystem Studies)
We teach the water cycle, but we often don’t teach the "broken" water web, or the ways in which humans have altered our most fundamental resource. This workshop will provide lessons for making the water cycle local, realistic, and comparative.

THE CLIMATE LITERACY NETWORK: FACILITATING INFORMED ENVIRONMENTAL DECISION MAKING  SL
Presenter(s): Tamara Ledley (TERC)
The Climate Literacy Network was formed in 2008 to improve climate literacy and thus the ability of citizens to make informed environmental decisions. Participants will learn about this network and how they can make use of it and/or get involved.
Friday morning sessions

Symposia

Symposia are 9:30 AM - 10:50 AM and in various rooms throughout the convention center.

9:30 AM - 10:50 AM

101-F ADVANCING CLIMATE LITERACY BY COORDINATING EDUCATIONAL FEDERAL CLIMATE CHANGE PROGRAMS
Energy Education and Green Technology

Presenter(s): Peggy Steffen (NOAA National Ocean Service)

Key to our nation’s response to climate change will be a climate-literate society. This session will explore the coordinated efforts by federal agencies and partner organizations to ensure a climate-literate society.

101-D ENGAGING YOUTH IN THE ENVIRONMENT: THE REDUCE THE JUICE WAY
Innovative Programs and Practices

Presenter(s): Manuel Riemer (Wilfrid Laurier University), Jennifer Lynes (University of Waterloo), Livia Dittmer (Wilfrid Laurier University)

A youth environmental organization, Reduce the Juice, partnered with two universities in creating an evidence-based program to engage youth in the environment, create critical consciousness, and engage the community in a culture of conservation.

101-C IS CORPORATE AMERICA READY TO EMBRACE THE ENVIRONMENTAL MOVEMENT THROUGH EDUCATION?
Teaching and Learning Sustainability

Moderator(s): Sabiha Daudi (Northern Illinois University)

Presenter(s): Brian Day (NAAEE), Ronald Meissen (Baxter Healthcare Corporation), Jeniffer Harper-Taylor (Siemens Foundation)

Corporate America is usually seen as the adversary sector of the society. However, this is not always so. This symposium will explore the possibilities of a sustainable partnership between corporations and environmental education by examining a progressive model of cooperation.

Combined Panels

Combined Panels are in various rooms in the convention center; they have two time slots this morning.

8:30 AM - 9:15 AM

101-H REACHING ENGLISH LANGUAGE LEARNING AND URBAN COMMUNITIES THROUGH ART
Arts, Culture, and Spirituality

This combined presentation will feature differential instructional methods used by PLT to teach important science and environmental concepts to English Language Learning audiences, and ‘Green Arts’ at Evergreen, a place-based art program that fosters stewardship of nature in the city.

GREENING THE ARTS AT EVERGREEN BRICKWORKS

Presenter(s): Hilary Inwood (OISE, University of Toronto), Shannon Crossman (Evergreen)

“Green Arts” programming at Evergreen’s exciting new environmental education centre, the Brickworks, will showcase place-based art programs intended to encourage sustainable values and practices and to engender a sense of stewardship of nature in the city.

PROJECT LEARNING TREE FOR ENGLISH LANGUAGE LEARNERS

Presenter(s): Al Stenstrup (American Forest Foundation), Jackie Stallard (Project Learning Tree), Renee Strnad, Kay Antunez de Mayolo

PLT’s revised PreK-8 Environmental Education Activity Guide teaches important science and environmental topics, while emphasizing differentiated instruction methods. Come participate to learn how you can use and adapt PLT environmental education activities to reach English Language Learning audiences.
FridAY MORNING SESSIONS

Combined Panels (continued)
Combined Panels are in various rooms in the convention center; they have two time slots this morning.

8:30 AM - 9:15 AM

101-E
INNOVATIVE STATEWIDE ENERGY EDUCATION PROGRAMS
Energy Education and Green Technology K12
Many states have developed programs that integrate energy efficiency and renewable energy into K-12 schools. This panel will show what is being done in New York and Michigan to prime the green jobs pipeline by educating K-12 students.

HOW TO INCORPORATE ENERGY EFFICIENCY AND RENEWABLE ENERGY ACROSS K-12
Presenter(s): Courtney Peterson, Laura Holladay (Ecology Center)
This presentation will describe a program in Michigan that integrates energy efficiency and renewable energy into K-12 schools. It will describe the processes of developing and evaluating the program, how it was aligned to state standards and the technologies used.

Energy Smart Teachers + Energy Smart Students = Energy Smart Families
Presenter(s): Therese Tuers (NYSERDA)
This presentation will describe a program that integrates energy efficiency and renewable energy into K-12 schools, where students actually educate their parents. It will describe the methods used to “prime the pipeline” for NYSERDA’s green workforce development program, to educate the next generation of energy workers and consumers.

45-minute Traditional Presentations
45-minute traditional presentations are in various rooms in the convention center; they have three time slots this morning

8:30 AM - 9:15 AM

101-E
ACE: INNOVATIVE CLIMATE CHANGE EDUCATION FOR HIGH SCHOOL STUDENTS
Presenter(s): Leah Schwalenberg (Alliance for Climate Education)
ACE (Alliance for Climate Education) aims to inspire, educate, and empower high school students on climate change through a dynamic, multi-media assembly presentation. ACE presented to 156,000 students nationwide in Fall 2009, and aims to reach 2 million students by 2011.

108
GREAT LAKES STEWARDSHIP THROUGH TEACHER LEADERSHIP IN CONSERVATION EDUCATION
Conservation Education K12, WT
Presenter(s): Shari Dann
Conservation education on Great Lakes stewardship is challenging in standards-driven K-12 curricula. We review teacher leadership, the design of the GRAND Learning Network, and AFWA’s new scope and sequence for conservation education (which includes conservation literacy, stewardship and outdoor participation.)

106-D
RESTORING PUFFINS AND SEABIRDS TO MAINE AND BEYOND
Conservation Education IT, K12
Presenter(s): Peter Salmansohn
Field biologists from Audubon are turning around a century of seabird decline along the New England coast by inventing new and creative methods of restoration. Their successful work is inspiring both scientists and the public alike to take action.

101-C
SNOW LEOPARD TRUST INTRODUCES INTERDISCIPLINARY CURRICULUM: ENGAGING STUDENTS IN CONSERVATION
Conservation Education IT, SL
Presenter(s): Jennifer Snell Rullman (Snow Leopard Trust)
The Snow Leopard Trust introduces Engaging Students in Conservation. This interdisciplinary 1-2 week unit that includes five dynamic lessons and culminates with a service learning project. The unit is designed for 5-8th grade students in science and social studies.

101-F
INNOVATIVE PROFESSIONAL DEVELOPMENT FOR TEACHERS OF K-12 ENVIRONMENTAL AND GEOSCIENCES EDUCATION
Energy Education and Green Technology K12
Presenter(s): Robert Myers (Institute for Global Environmental Strategies), Theresa Schwerin (Institute for Global Environmental Strategies), Lynn Blaney (Institute for Global Environmental Strategies)
The Earth System Science Education Alliance professional development program provides standards-based, interdisciplinary environmental education content and teaching methods to pre- and in-service teachers. Teachers also have open access to NSF, NASA and NOAA supported lessons outside of the structured courses.

103
ENVIRONMENT - CENTRAL TO ALL DIMENSIONS OF AMERICA’S NEWEST & GREENEST CITY
Innovative Programs and Practices
Presenter(s): William F Hammond (Natural Context)
A multi-media look at the world’s largest solar powered “green” community and its public schools, which are mainstreaming EE to build on “RACE to the TOP” funding. We add three elements—Environment, Economics, and Culture—to the well-funded STEM Program (STEM/E2C).

107
ENVIRONMENTAL EDUCATION FOR YOUNG CHILDREN: GUIDELINES FOR EXCELLENCE
Innovative Programs and Practices EC
Presenter(s): Bora Simmons, Edward McCrea
What are the key characteristics of quality early childhood environmental education programs and materials? The National Project for Excellence in Environmental Education is proud to announce a new publication focusing on early childhood environmental education. Come hear about the project.
FRIDAY MORNING SESSIONS

45-minute Traditional Presentations (continued)

45-minute traditional presentations are in various rooms in the convention center; they have three time slots this morning.

8:30 AM - 9:15 AM

101-D NCATE ACCREDITATION: ACCEPTING THE CHALLENGE
Innovative Programs and Practices RE
Presenter(s): Billy Bennett, Melinda Wilder (Eastern Kentucky University)
The process of NCATE accreditation is often difficult to understand and a challenge to complete. Based on our experience of successfully submitting our environmental education program, the session provides recommendations and advice on negotiating this process.

106-B EMPOWERMENT EVALUATION: LESSONS LEARNED ACROSS THREE NATURE BRIDGE CAMPUSES
Network and Leadership Development RE
Presenter(s): Anne Burnett (NatureBridge), Kerri McAllister (Headlands Institute, a campus of NatureBridge)
Join leaders from Yosemite Institute, Olympic Park Institute, and Headlands Institute as they describe their three-year, organization-wide adventure with “empowerment evaluation,” a formative, internal evaluation model uniquely suited to the participatory culture of many environmental education organizations.

109 ENVIRONMENTAL YOUTH SUMMIT - EMPOWERING TOMORROW’S ENVIRONMENTAL CHANGE LEADERS
Network and Leadership Development K12, RE
Presenter(s): David Bauer
Empowering Youth to Act as Change Leaders Creating Sustained Environmental Action! This presentation demonstrates the real-world actions students achieve when research-proven strategic planning is married with effective leadership and advocacy skills.

106-C TEACHING RURAL YOUTH TO APPRECIATE THEIR NATURAL SURROUNDINGS
Place-based Education K12, SL
Presenter(s): Pam Hess (Appalachian Mountain Club)
For the last three years, the Appalachian Mountain Club has offered under-served, rural New Hampshire students a variety (e.g. length, age, depth) of environmental education options and successfully expanded its program from serving 300 local youth to 1,200, annually.

104 CLIMATE CHANGE: ENGAGING LESSONS, GLOBAL CONNECTIONS, AND SUSTAINABLE SOLUTIONS
Teaching and Learning Sustainability K12, SL
Presenter(s): Jennifer Syrota (MacLachlan College), Dave Wilton (Facing the Future)
Experience hands-on lessons that demonstrate the interconnections between natural cycles and systems and human choices and actions. This session provides engaging lessons about climate perspectives, consumption choices and carbon footprint, emissions trading, and international energy policies. Includes free curriculum!

9:30 AM - 10:15 AM

103 A CITIZEN SCIENCE TRAINING MODEL FOR INVESTIGATING AMPHIBIAN CHYTRID FUNGUS
Conservation Education RE, SL
Presenter(s): Tiffany Vanderwerf (Buffalo Zoo), Penny Danielewicz (Buffalo Zoo)
The Buffalo Zoo and partnering institutions have developed and pilot tested a citizen science training model for testing amphibians for the presence of the deadly amphibian chytrid fungus. The results of this project are reviewed in this presentation.

110 A CIrCUMSTANCE TRAiNiNG MOdEL FOR iNVESTiGaTiNG aMPHiBiAN CHyTRiD FuNGuS
Conservation Education RE, SL
Presenter(s): Tiffany Vanderwerf (Buffalo Zoo), Penny Danielewicz (Buffalo Zoo)
The Buffalo Zoo and partnering institutions have developed and pilot tested a citizen science training model for testing amphibians for the presence of the deadly amphibian chytrid fungus. The results of this project are reviewed in this presentation.

101-G INSPIRE ENVIRONMENTAL UNDERSTANDINGS USING CRITICAL THINKING AND INQUIRY METHODS
Teaching and Learning Sustainability IT, K12
Presenter(s): Mark Lowry (Ontario Association for Geographic and Environmental Education)
Engage secondary students and highlight environmental understandings through critical thinking and inquiry models. With special emphasis on geography and civics courses, this session will provide a framework, and use critical thinking and inquiry models to make conclusions and decisions.

101-B LEARNING FOR A SUSTAINABLE FUTURE
Teaching and Learning Sustainability K12, SL
Presenter(s): Lilly Briggs (Learning for a Sustainable Future)
Learning for a Sustainable Future, a Canadian non-profit organization, integrates education for sustainable development into Canada’s education systems. LSF’s mission is to promote, through education, the knowledge, skills, perspectives, and practices essential to a sustainable future.

101-A EYE TO EYE WITH A BUTTERFLY
Urban and Rural Interface DV, SL
Presenter(s): David Bouton (Mountain Meadow)
Wild butterflies on the wing are difficult to study, identify, photograph, and observe behaviors. One can actually approach eye to eye with them. This presentation and discussion reviews wildlife respect and principles and necessities for closeness with live wild butterflies.
FRIDAY MORNING SESSIONS

45-minute Traditional Presentations (continued)

45-minute traditional presentations are in various rooms in the convention center; they have three time slots this morning.

11:00 AM - 11:45 AM

101-D

‘FOR THE BIRDS!’ - AN INNOVATIVE APPROACH TO ENVIRONMENTAL EDUCATION

Innovative Programs and Practices

Presenter(s): Robin Foster (Audubon NY), Pam Musk (Audubon New York)

Audubon NY’s For the Birds! is an innovative environmental education program. It provides an excellent example of a place-based, multi-session approach. The program focuses on local birds and habitats to foster science literacy, environmental awareness, and a stewardship ethic.

101-C

EARTHLABS: LABORATORY COURSES IN EARTH AND ENVIRONMENTAL SCIENCE

Innovative Programs and Practices

Presenter(s): Tamara Ledley (TERC), Erin Bardar (TERC)

See demonstrations of EarthLabs (http://serc.carleton.edu/earthlabs), a national model for rigorous, engaging earth/environmental science lab modules. Each engages students in deep investigations of the interconnections in the earth system (drought, hurricanes, fisheries, corals, cryosphere), and builds inquiry, analysis, and evaluation skills.

101-G

MAKING A CASE FOR EE IN ACADEMIA

Innovative Programs and Practices

Presenter(s): Molina Walters (Arizona State University), Teresa Coker (Green Mountain College)

How do you promote EE at your university? What current EE statistics and trends are available to help you gain support for an EE course, certificate, or concentration? This session shares tips on how others promoted and implemented EE at universities.

101-H

CONNECTING CHILDREN TO NATURE: STATE LEGISLATIVE & GUBERNATORIAL INITIATIVES

Network and Leadership Development

Presenter(s): Shareen Knowlton (Roger Williams Park Zoo), Patrick Fitzgerald (National Wildlife Federation), Traci Price (The Freshwater Trust), Laura Downey (KACEE), Elena Takaki (National Geographic)

Comprehensive state legislation connecting children with nature is critical to the success of the EE movement. Learn how to create innovative partnerships and coalitions at the state level to advance comprehensive legislation and governor action for connecting children to nature.

106-C

HOW 19TH-CENTURY TRAVEL NARRATIVES ADD FLAVOR TO LOCAL HISTORY

Place-based Education

Presenter(s): Corinne Smith (Anna Maria College)

Henry David Thoreau traveled from Massachusetts to Minnesota and back in 1861. His field notes were left largely unexplored until recently. How can such 19th-century sources provide historical background for place-based education initiatives?

108

SCHOOLS OF FISH: AQUACULTURE AND INTERNET TURN STUDENTS INTO REAL BIOLGISTS

Innovative Programs and Practices

Presenter(s): Patty Matteson (U.S. Fish & Wildlife Service), Sandy Burk, Judy Toppins

Discover multi-media, Web-based activities developed by U.S. Fish and Wildlife Service that place students in the role of real fisheries biologists. Learn to create a unique hands-on experience by growing fish simply and successfully in the classroom. Meets national standards.

109

KIDS AND THEIR FOOTPRINT: TRACKING THE LIFECYCLE OF CLOTHING

Innovative Programs and Practices

Presenter(s): Caterina Conti (Anvil Knitwear, Inc.)

Anvil Knitwear, which launched TrackMyT.com, shows the journey of a t-shirt from seed to consumer, and offers an interactive way to educate on the environmental, social and historical impacts of the making of a t-shirt.

103

EXPANDING THE CONVERSATION ON ENVIRONMENTALISM AND WORKING FOR ENVIRONMENTAL JUSTICE

Socio-ecological Justice and Community Engagement

Presenter(s): Larry Brown (US EPA Region III), Denise Morrison, Ruth McCully (EPA), Diane Berger

EPA has begun a new era of outreach and protection for communities historically underrepresented in EPA decision-making. We are building strong working relationships with tribes, communities of color, economically distressed cities and towns, young people and others, as a start.
**FRIDAY MORNING SESSIONS**

45-minute Traditional Presentations (continued)

45-minute traditional presentations are in various rooms in the convention center; they have three time slots this morning

**11:00 AM - 11:45 AM**

101-A  
**CLIMATE EDUCATION: MEETING THE CHALLENGES AHEAD**  
Teaching and Learning Sustainability  
Presenter(s): Peggy Steffen, Bruce Moravchik (NOAA National Ocean Service)

Find out how to help your audiences understand climate change and its impacts with NOAA's comprehensive Web resources and programs. Access the latest data, predications, multimedia, and educational assets that will increase climate literacy.

101-E  
**FROM ENVIRONMENTAL EDUCATION TO EDUCATION REFORM: ADVANCING K12 SUSTAINABILITY LEADERSHIP**  
Teaching and Learning Sustainability  
Presenter(s): Susan Santone (Creative Change Educational Solutions), Katie Ginsberg (Children's Environmental Literacy Foundation)

This session uses case studies of leading K12 districts to explore how SE can distinguish itself from EE, meet demands for “21st Century reform,” and position itself in national efforts to improve achievement and prepare students for a new economy.

106-D  
**EDUCATING FOR SUSTAINABILITY THROUGH CAMPUS AND COMMUNITY SERVICE**  
Teaching and Learning Sustainability  
Presenter(s): Brenda Young (Daemen College), Kevin Kegler (Daemen College)

Our semester-long service-learning course integrates sustainability concepts with campus outdoor demonstration projects and works with community non-profits in weatherizing homes, reusing materials, and creating gardens. Pre-post assessment indicates significant shift in student attitudes after involvement.

106-B  
**HOW TO EDUCATE FOR SUSTAINABILITY, NOT JUST LESS UN-SUSTAINABILITY**  
Teaching and Learning Sustainability  
Presenter(s): Paul Morgan (West Chester University)

Do you suspect that even the most sweeping changes in education will be insufficient to help catalyze the cultural transformation required by our planetary emergency? Learn how a new certificate program in Education for Sustainability has responded to this challenge.

**FRIDAY AFTERNOON SESSIONS**

The Film Room (106-A)

**1:30 PM - 2:50 PM**

**WHAT’S ON YOUR PLATE?**  
Urban and Rural Interface  
Presenter(s): Winifred Scherrer (Bullfrog Films, Inc)

A witty and provocative documentary about kids and food politics. Two eleven-year-old multiracial city kids explore their place in the food chain. Sadie and Safiyah visit supermarkets, fast food chains, school lunchrooms, farms, greengrocers, and CSAs seeking urban food sustainability.

**2:55 PM - 4:10 PM**

**WRITING A NEW STORY OF SUSTAINABILITY: MIDWEST REGIONAL COLLABORATIVE FOR SE**  
Teaching and Learning Sustainability  
Presenter(s): Christine Kelly, Jeremy Solin

Today we are challenged to create a future in which all flourish. This film documents 85 people in dialogue about catalyzing a sustainable world through education and the messiness and power that emerges when all are co-creators of this vision.

**4:15 PM - 5:30 PM**

**RIVERWEBs: a DOCUMENTARY FILM ABOUT LIFE, DEATH, SCIENCE, and STREAMS**  
Conservation Education  
Presenter(s): Keith Williams (NorthBay)

This presentation will discuss the opportunities afforded by the movie RiverWebs to teach cross cultural community, river ecology and conservation, scientific exploration, and the effect one person can have on the larger world.
FRIDAY AFTERNOON SESSIONS
The 20-Minute Presentation Room (102)

1:30 PM - 1:50 PM

ASSESSING ENVIRONMENTAL LITERACY THROUGH OUTDOOR EDUCATION PROGRAMS IN FLORIDA
Conservation Education K12, RE
Presenter(s): Rhianna Neely (Florida A & M University), Marcia Owens
Many programs across the nation are charged with the duty of helping to produce environmentally literate citizens, yet many continue for years without any form of evaluation to assess their success. This study evaluated one such program in Florida.

2:00 PM - 2:20 PM

DEVELOPING A UNIVERSITY LEVEL INTERDISCIPLINARY DOCTORAL PROGRAM IN ECOSYSTEM RESTORATION
Innovative Programs and Practices RE, WT
Presenter(s): Alan Rabideau (University at Buffalo), David Blersch (Civil Engineering Dept., SUNY at Buffalo)
A collaborative doctoral program at the University at Buffalo advances ecosystem restoration science and engineering, while contributing to the ecological recovery of upstate New York through interdisciplinary education.

2:30 PM - 2:50 PM

GREEN CORPS: HIGH SCHOOL URBAN FARMING, SUSTAINABILITY AND ENVIRONMENTAL LEADERSHIP
Innovative Programs and Practices DV, RE
Presenter(s): Geri Unger (Cleveland Botanical Garden)
Cleveland Botanical Garden’s Green Corps is a high school work-study program. Our urban farms teach life skills, agricultural science, community and environmental stewardship, and entrepreneurship. Students learn leadership reclaiming vacant properties, growing fresh produce and building community urban oases.

3:00 PM - 3:20 PM

CHARTING THE FUTURE: YOUNG PEOPLE ACT ON CLIMATE CHANGE
Energy Education and Green Technology K12, SL
Presenter(s): Nakia Brown (Wingo Elementary School)
Can students make a difference in our environment and take responsibility for their actions and others? Yes! Through the Charter of Responsibilities, Earth Force, and NAAEE, students were asked to draft charters, share locally, nationally, and internationally!

3:30 PM - 3:50 PM

CRITTERS & COMPUTERS: TECHNOLOGY BRINGS EE TO “LIFE”
Innovative Programs and Practices K12
Presenter(s): Julie Bray (PCEE)
Studies indicate that most American children would rather be hooked into electronic media than anything else. Critter Quest PA brings environmental education to life for users—capturing young imaginations by letting them control and graphically display environmental data online!

3:00 PM - 3:20 PM

ASSESSMENT AND EVALUATION OF EE CERTIFICATION PROGRAMS 101
Innovative Programs and Practices
Presenter(s): Tom Marcinkowski (Florida Institute of Technology)
Learn why assessment and evaluation are important aspects of an EE Certification program and what you should consider when determining what will work best for your state, region, or province.

3:30 PM - 3:50 PM

HOW TO GET YOUR LOCAL EE CERTIFICATION PROGRAM ACCREDITED BY NAAEE
Innovative Programs and Practices
Presenter(s): Brenda Weiser (University of Houston –Clear Lake), NAAEE Certification Advisory Council chair; Tom Marcinkowski (Florida Institute of Technology), CAC Secretary; Sue Bumpous (NAAEE)
Have an EE Certification program? Interested in being Accredited by NAAEE, but wonder how? Come to this session for a copy of the application for NAAEE’s new accreditation process and discussion of the details.

EE Certification Headquarters (105)

1:30 PM - 2:15 PM

ASSESSMENT AND EVALUATION OF EE CERTIFICATION PROGRAMS 101
Innovative Programs and Practices
Presenter(s): Tom Marcinkowski (Florida Institute of Technology)
Learn why assessment and evaluation are important aspects of an EE Certification program and what you should consider when determining what will work best for your state, region, or province.

2:30 PM - 3:15 PM

ASSESSMENT AND EVALUATION OF EE CERTIFICATION PROGRAMS 102
Innovative Programs and Practices
Presenter(s): Libby Wilcox (Office of Environmental Education), Katie Navin (Colorado Alliance for Environmental Education), Elena Takaki (National Geographic), Andree Walker (USEE), Tom Marcinkowski (Florida Institute of Technology)
Hear from experienced certification program representatives how they are using assessment and evaluation techniques in their programs, what they are learning about their certification candidates, and how they are using evaluation data to improve their programs.
FRIDAY AFTERNOON SESSIONS

Symposia

Symposia are in various rooms in the convention center; they have two time slots this afternoon.

1:30 PM - 2:50 PM

106-B

PUBLISHING YOUR RESEARCH IN PEER-REVIEWED ENVIRONMENTAL EDUCATION JOURNALS

Network and Leadership Development

Presenter(s): Paul Hart, John Shultis (The Journal of Environmental Education), Constance Russell, Justin Dillon (King’s College London), Jo-Anne Ferreira (School of the Environment), Brian Day (NAAEE)

The editors of leading peer-reviewed journals in the field—JEE, EER, AEEC, CJEE, and AJEE—will participate in this panel to discuss with you how to choose a journal and how to write, revise, and submit your research.

101-C

LESSONS IN ENVIRONMENTAL RESPONSIBILITY: ALDO LEOPOLD’S WILDLIFE ECOLOGY 118

Conservation Education

Presenter(s): Nancy Theiss (Oldham County Historical Society)

This study addressed the issue of the lack of citizen action toward environmentally responsible behavior using a historic perspective by focusing on one of the first conservation courses, Wildlife Ecology 118, taught by Aldo Leopold.

101-H

FEDERAL FUNDING OPPORTUNITIES IN CLIMATE CHANGE EDUCATION

Innovative Programs and Practices

Moderator(s): Karen Hollweg (NAAEE Past President), Don Duggan-Haas (The Paleontological Research Institution and its Museum of the Earth)

Presenter(s): Karen Scott, Jacqueline Olsen (Environment Canada), David Campbell (National Science Foundation), Lin Chambers (NASA Langley Research Center), Peggy Steffen

New funding opportunities exist or are becoming available for environmental educators. Panelists from federal agencies in the US and Canada will discuss the types of initiatives they fund, characteristics of funded proposals and programs, emerging research approaches, and more.

101-E

PUBLISHING YOUR RESEARCH IN PEER-REVIEWED ENVIRONMENTAL EDUCATION JOURNALS

Place-based Education

Presenter(s): Susan Wirth (Arbor Day Foundation/Dimensions Educational Research Foundation), Scott Feille (REAL School Gardens), Barbara Shaughnessy (Dr. Charles R. Drew E.C.C School #90)

Three presenters will give visual examples and ideas for creating natural outdoor classrooms or gardens in diverse settings, which inspire wonder, provoke curiosity, engage the intellect of today’s children, and give them a sense of natural place and space.

101-A

CREATING OUTDOOR CLASSROOMS AND GARDENS

Socio-ecological Justice and Community Engagement

Presenter(s): Abby Ybarra (Env. Ed Consultant), Scott Frazier (Project Indigenous LLC)

Traditional Ecological Knowledge is the deep knowledge of local ecological relationships which has developed over millennia between indigenous peoples and their homelands. This local Haudenosaunee (Iroquios) panel will engender enlightening views on how native science can enhance our education programs.

101-G

INTERSECTIONS IN INTERNATIONAL EE: EMERGING QUESTIONS A GUIDE FOR PRACTITIONERS

Network and Leadership Development

Presenter(s): A. Michael Marzolla (University of California), Peta White, Org (Saskatchewan Outdoor and Environmental Education Association)

Sponsored by NAAEE’s International Commission, a panel of experienced international EE practitioners will explore current and emerging issues and their intersection with international environmental education: environmental and social justice, health, diversity, indigenous knowledge, climate change, and sustainability.

101-B

A FRAMEWORK FOR INVESTIGATING THE ENVIRONMENTAL IMPACTS OF ENVIRONMENTAL EDUCATION

Teaching and Learning Sustainability

Presenter(s): Philip Short (CISDE), Marianne Krasny, Michael Duffin (PEER Associates, Inc.), Ginger Potter, Trudi Volk, Brian Johnson, Alan Fortescue, Fernando Soares (Florida Institute of Technology), Harold Hungerford (CISDE), Sarah Schoedinger (NOAA), Alex Kudryavtsev

Various players have recently started asking what difference EE makes in terms of environmental quality (EQ). Participants will join panelists in a discussion of theoretical and methodological frameworks for exploring the relationships between environmental education and tangible measures of EQ.
Symposia (continued)

Symposia are in various rooms in the convention center; they have two time slots this afternoon.

3:00 PM - 4:20 PM

101-D

RECONNECTING CHILDREN & NATURE: A STATE AND NATIONAL GRASSROOTS MOVEMENT

Conservation Education

Presenter(s): Paul Hai (Northern Forest Institute of SUNY-ESF)

The movement to reconnect children and nature is gaining significant momentum in our society. The powerful role nature plays in improving children’s environmental literacy, academic performance, and overall health is driving grassroots action across New York and our nation.

101-H

MEASURING EFFECTIVENESS OF U.S. ENVIRONMENTAL EDUCATION PROGRAMS: NELA PHASE II

Innovative Programs and Practices

Presenter(s): William McBeth (University of Wisconsin Platteville), Harold Hungerford (CISDE), Tom Marcinkowski (Florida Institute of Technology), Trudi Volk, Karen Cifranick

This presentation introduces the methods and results of the second phase of the National Environmental Literacy Assessment: a purposeful sample of schools with environmental programming. Results will be presented and compared to baseline environmental literacy data from Phase I.

106-C

BUILDING ENVIRONMENTALLY SUSTAINABLE COMMUNITIES OF COLOR, WITH COLLABORATION AND EMPOWERMENT

Network and Leadership Development

Moderator(s): Richard Mabion (Building A Sustainable Earth Community)

Presenter(s): Jose Marcos-Iga (Environmental Education Exchange), Roberto Moreno (Alpino Mountain Sports Foundation), Felicia Gokool-Sheikh

Join our panel to discuss the significance of relationships and connecting in our low-income communities, and how NAAEE members can collaborate with local leaders to provide skills needed for green jobs and/or take advantage of environmental educational opportunities.

101-G

SUCCESSFUL MODELS FOR INTEGRATING ACTION STRATEGIES INTO PRE-SERVICE EDUCATION

Network and Leadership Development

Presenter(s): Alyssa Hawkins, Joseph Baust, Daniel Sivek, Terry Wilson (Western Kentucky University)

Join Earth Force and faculty from three universities as we share models for integrating environmental service learning into preservice teacher education. We’ll discuss integrating service learning into existing courses, our evaluation results, and testimonials from faculty about their experiences.

101-A

WHAT EVERY CITIZEN SHOULD KNOW: ENVIRONMENTAL LITERACY

Network and Leadership Development

Presenter(s): Bora Simmons, Mark McCaffrey (CIRES-CU-Boulder), Roberta Johnson (UCAR), Scott Carley (College of Exploration), Don Duggan-Haas (The Paleontological Research Institution and its Museum of the Earth), Nicole LaDue (Michigan State University), Peggy Steffen

Starting with NAAEE’s Guidelines for Excellence (K-12) environmental literacy framework, explore Earth System Literacy Principles for climate, ocean, atmosphere, and earth science and their interconnections. Discover essential elements important for guiding your 21st century EE programs and plans.

101-E

PROJECT FLOW—FUTURE LEADERS OF WATERSHEDS: PLACE-BASED SERVICE LEARNING

Place-based Education

Presenter(s): Sherry Swint, Ellen Murphy

Youth are dedicated to improve and protect the watershed in which they live. Learn service-learning techniques to engage youth in Project FLOW (Future Leaders of Watershed), evaluation results, and how three organizations in different communities successfully implemented Project FLOW.

Hands-on Presentations

Hands-on Presentations are in various rooms in the convention center; they have two time slots this afternoon

1:30 PM - 2:50 PM

101-F

MENTORING THE NEXT GENERATION OF CONSERVATIONISTS AND NATURAL RESOURCE PROFESSIONALS

Conservation Education

Presenter(s): Julie Study (National Conservation Training Center)

Who are the environmental educators and the wildlife biologists of tomorrow? Experience and learn about the programs and products the US Fish and Wildlife Service is developing to help you share the benefits of a conservation career with youth.

101-D

SUSTAINABILITY EDUCATION IN A WORLD OF SEVEN BILLION

Teaching and Learning Sustainability

Presenter(s): Carol Bliese (Population Connection)

Discover timely, interdisciplinary, hands-on activities to help students understand the connections between human population growth, resource consumption, and sustainable ecosystems and communities. Build human geography knowledge and problem-solving skills. Free activities CD.
FRIDAY AFTERNOON SESSIONS

Hands-on Presentations (continued)
Hands-on Presentations are in various rooms in the convention center; they have two time slots this afternoon.

3:00 PM - 4:20 PM

101-F
TEACHING LIFE SKILLS ON THE LAND
Arts, Culture, and Spirituality
Presenter(s): Anne Marie Tipton
The favorite of EECOM, Bob Stevenson will present the importance of traditional knowledge and living in the best of both worlds—Native and Non-Native. He’ll share traditional items as he demonstrates survival skills and ways to share nature with children.

101-B
TRANSFORMING OUR TEAMS FOR THE FUTURE
Network and Leadership Development
Presenter(s): Katie Miesle (Neskowin Valley School)
What if your staff and participants showed more enthusiasm, initiative, and commitment, created a stronger community, and produced higher quality work? Come experience new ways to teach groups the skills they need to be successful in today’s changing world.

45-minute Traditional Presentations
45-minute traditional presentations are in various rooms in the convention center; they have three time slots this afternoon.

1:30 PM - 2:15 PM

103
ENVIRONMENTAL-LITERACY BY DESIGN: CREATING A SCHOOL-WIDE INTEGRATED CURRICULUM
Innovative Programs and Practices
Presenter(s): Susy Ellison, Leigh McGown (Yampah Mountain High School—Principal)
Teachers at Yampah Mountain High School create thematically-centered curriculum units that integrate environmental literacy. Students have constructed a greenhouse, created small stand-alone solar power systems for medical clinics in Haiti and Nigeria, and examined their own energy and food consumption.

104
INFORMAL EDUCATORS MAKE CONNECTIONS WITH INQUIRY
Innovative Programs and Practices
Presenter(s): Zackery Zdinak (Life Drawing and Education)
Experience an inquiry adapted nature lesson and its original lecture, then discuss inquiry structure and “tricks of the trade” methods. Attendees leave with a basic understanding of how to plan an informal inquiry program and resources.

2:30 PM - 3:15 PM

108
BE WATER WISE: A PARTNERSHIP MODEL FOR WATER CONSERVATION EDUCATION
Teaching and Learning Sustainability
Presenter(s): Jessica Culverhouse (National Environmental Education Foundation)
Be Water Wise is a comprehensive water conservation education program for K-12 students, designed to leverage the resources and expertise of partner organizations for the benefit of schools. A program overview, partner reflections, and the program model will be presented.

3:00 PM - 4:20 PM

106-D
EVALUATION OF A TEACHING MATERIAL ON EDUCATION FOR SUSTAINABLE DEVELOPMENT
Teaching and Learning Sustainability
Presenter(s): Yasin Dilsebo Darmulo (University of Muenster, Germany)
To study the effect of the implementation of a teaching material, a pre-test/post-test control group design is employed. It envisages seeing changes due to the material on knowledge and attitude of student teachers on issues of sustainable development.

109
FORESTRY CERTIFICATION AS A CONSERVATION TOOL: A GUATEMALAN CASE STUDY
Teaching and Learning Sustainability
Presenter(s): Julianne Schrader (Rainforest Alliance), Maria Ghiso (Rainforest Alliance)
Looking for tools from Rainforest Alliance and Project Learning Tree to teach your students about sustainable forestry? Learn about communities in Guatemala’s Mayan Biosphere Reserve that protect the forest by sustainably harvesting wood and palms and pioneering a carbon program.
FRIDAY AFTERNOON SESSIONS

45-minute Traditional Presentations (continued)
45-minute traditional presentations are in various rooms in the convention center; they have three time slots this afternoon.

2:30 PM - 3:15 PM

107
APPROPRIATIONS 101: FUNDING ENVIRONMENTAL EDUCATION IN CONGRESS
Network and Leadership Development K12
Presenter(s): Patrick Fitzgerald (National Wildlife Federation), Brock Adler, Shareen Knowlton (Roger Williams Park Zoo)
Learn how to advocate for funding for key environmental education programs, including the EPA's National Environmental Education Act EE program, and NOAA's EE programs, including Environmental Literacy Grants and the Bay Watershed Education and Training (B-WET) program.

109
OHIO EPA AND THE EE COUNCIL OF OHIO PARTNERSHIP
Network and Leadership Development BI, K12
Presenter(s): Brenda Metcalf (Environmental Education Council of Ohio), Carolyn Watkins (Ohio EPA)
A look inside the partnership between the Environmental Education Council of Ohio and the Ohio Environmental Protection Agency, Office of Environmental Education. This partnership created an EE capacity building structure that provides much-needed professional development in Ohio.

3:30 PM - 4:15 PM

106-D
COSEE GREAT LAKES: FROM SHIPBOARD, TO SHORELINE, TO CLASSROOM
Conservation Education K12, WT
Presenter(s): Nancy Bires (Hermitage School District)
Discover how you can participate in COSEE Great Lakes (Centers for Ocean Sciences Education Excellence) professional development programs and join scientists as they study the Great Lakes. Learn how to incorporate Great Lakes education into the curriculum in your classroom.

108
WATERSHEDS: CONNECTING YOUR BACKYARD TO TROPICAL CORAL REEFS
Conservation Education K12, WT
Presenter(s): Paulo Maurin
This presentation introduces the watershed concept and how our actions affect it (from trash to fertilizer use, sediment loading, vegetation coverage, and even water use). Presentation also aims to bring powerful and free technology tools to engage student learning.

103
TOWARD A HEALTHY ENVIRONMENT PROJECT
Innovative Programs and Practices DV, IT
Presenter(s): Stephanie Montero (Fundacion Comunitaria Morelense, I.A.P.), Karla Quintana Pearce (Fundacion Comunitaria Morelense, I.A.P.), Ernesto Salvador Cobos (Fundacion Comunitaria Morelense, IAP)
Project of environmental education for youth in Morelos, Mexico, based on reflection, followed by action as a form of transformation.

Using an interdisciplinary approach, it seeks to foster understanding about current environmental problems that affect health caused by human activity.

104
ENGAGING STUDENTS GRADES 6-12 IN COMMUNITY REVITALIZATION AND BROWNFIELDS REDEVELOPMENT
Place-based Education K12, SL
Presenter(s): Susan Santone (Creative Change Educational Solutions)
"Our Town" is an academically rich program that engages middle and high school students in advancing community sustainability and revitalization. Appropriate for classrooms or youth settings, the program supports environmental literacy and social justice while introducing students to green careers.

109
ENGAGING YOUTH IN CLIMATE CHANGE ISSUES FOR A JUST FUTURE
Socio-ecological Justice and Community Engagement IT, K12
Presenter(s): Tim Grant
Without engaging all communities in climate change issues and science, a just future will elude us. Educators will learn how to frame this topic and practice activities that help young people understand climate change and take action in their communities.

107
DO YOU WALK YOUR TALK? INTENTIONAL EE PRACTICE
Teaching and Learning Sustainability K12
Presenter(s): Peta White (University of Regina, SOEEA, EECOM)
We have many great ideas about how people can live more lightly on this earth, yet do we (the preachers) actually do it? Do we really have power to influence and change ourselves? Let's walk our talk!
SATURDAY AT A GLANCE

SATURDAY, OCTOBER 2

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<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tr>
<td>7:30 AM</td>
<td>Coffee Carts Open</td>
<td>Convention Center Lobby</td>
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<tr>
<td>8:00 AM - 2:00 PM</td>
<td>Registration Desks Open</td>
<td>Convention Center Lobby</td>
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<td>8:00 AM - 11:00 AM</td>
<td>NAAEE Office Open</td>
<td>Ellicott Room - Hyatt</td>
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<td>7:30 AM - 8:30 AM</td>
<td>CCC Meetings (see pages 24-25 for details)</td>
<td>Convention Center</td>
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<td>8:45 AM - 9:15 AM</td>
<td>NAAEE Business Meeting</td>
<td>Convention Center 101-E</td>
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<tr>
<td>9:30 AM - 11:15 AM</td>
<td>Concurrent Sessions</td>
<td>Convention Center</td>
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<tr>
<td>11:30 AM - 1:30 PM</td>
<td>Awards Luncheon with a keynote by Chief Oren Lyons (Lunch included with conference registration; RSVP required)</td>
<td>Convention Center Exhibit Hall South</td>
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<tr>
<td>1:45 PM - 3:30 PM</td>
<td>Concurrent Sessions</td>
<td>Convention Center</td>
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<td>1:45 PM - 5:00 PM</td>
<td>NAAEE Office Open</td>
<td>Ellicott Room - Hyatt</td>
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<td>3:45 PM - 5:30 PM</td>
<td>CCC Meetings (see pages 24-25 for details)</td>
<td>Convention Center</td>
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<td>5:30 PM</td>
<td>President’s Reception</td>
<td>Hyatt; invitation only</td>
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<tr>
<td>7:30 PM</td>
<td>Closing Networking Celebration and Dinner (Not included in registration – tickets are required. Check in NAAEE office for available tickets.)</td>
<td>Babeville</td>
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<tr>
<td>10:00 PM – Midnight</td>
<td>After Hours Sing Along</td>
<td>Delaware A - Hyatt</td>
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RECEPTIONS, SPECIAL EVENTS, AND MEETINGS

Yoga Self Practice ~ 6:00 AM (Niagara Room - Hyatt) Bring your own mat; room is open for two hours.

Center Yourself with Relaxing Tai Chi ~ 6:00 AM (Roosevelt Square)
Prepare yourself to face the day with tai chi in Roosevelt Square directly across from the Hyatt Regency Buffalo’s Main Street entrance. Participants are encouraged to bring water. Beginners welcome.

Get Your Day Started with the Buffalo Niagara Convention & Visitors Bureau! ~ 6:00 AM (Main Street Entrance – Hyatt) “Walk Buffalo” is a 2.5 mile brisk walking tour that begins at the Hyatt Regency Buffalo (Main Street entrance). There are 28 stops on the tour, including such renowned landmarks as Louis Sullivan’s Guaranty Building, Richard Upjohn’s St. Paul’s Cathedral, Daniel Burnham’s Ellicott Square Building, and Buffalo’s magnificent Art Deco City Hall.

The NYSOEA Breakfast and Regional Meetings ~ 8:00 AM - 9:15 AM (106-D)
All New York State Outdoor Education Association members are encouraged to attend the regional meetings and breakfast, which will feature our annual award winners, and give an opportunity to meet with and discuss regional activities happening in 2011. Please note, you must have RSVPed for this breakfast in order to attend.

NAAEE Business Meeting ~ 8:45 AM (101-E)
NAAEE is stronger than ever because there are so many members working to make it so. Attending the business meeting keeps you up to date on the goals, progress, and finances of the organization – giving you a realistic idea of what the association can do and what we need to take the next growth step to enhance our profession. This is a most exciting time at NAAEE – your input and ideas will help create our future.

2011 & 2012 CONFERENCE PLANNING ~ 3:45 pm - 5:30 pm (109)
Interested in volunteering for Raleigh or Oakland? Hear a report from this year’s organizing team. If you are considering hosting a future NAAEE conference this is a good opportunity to hear the good, the great, and the not so great.

Closing Networking Celebration ~ 7:30 PM (Babeville)
Tickets may still be available; transportation on your own. See details page 26.
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NOTES
NAAEE ANNUAL “CELEBRATING EXCELLENCE” AWARDS PROGRAM

Saturday Convention Center Exhibit Hall South
11:30 AM – 1:30 PM

Outstanding Service to Environmental Education by an Individual Award
Individual operating at the local level: Tracy Hollis
Individual operating at the regional level: Jim Elder
Individual operating at the global level: Al Stenstrup

Outstanding Contributions to Research in EE Award: Robert B. Stevenson

Outstanding Service to Environmental Education by an Organization Awards
Organization operating at the local level: REAL School Gardens
Organization operating at the regional level: Facing the Future
Organization operating at the global level: Association for the Advancement of Sustainability in Higher Education

Outstanding NAAEE Affiliate Organization Award: Saskatchewan Outdoor and Environmental Education Association

K-12 Educator Award: Mike Sustin

The Rosa Parks and Grace Lee Boggs Award for Outstanding Service: Lottie V. Spady

President’s Award: to be announced at the awards ceremony.

Walter E. Jeske Award Given by NAAEE since 1982. Who will win this year? Sshhh...it's a secret! The award will be presented by last year’s winner, Brenda Weiser, of the University of Houston-Clear Lake.

Environmental Education Scholarship for Academic Study: Christine Coughlin

Keynote Speaker: Chief Oren Lyons

Read the awards qualifications on the NAAEE Web site at http://www.naeee.org/programs-and-initiatives/awards/

Why are we eating vegetarian?

This year’s Awards Luncheon is vegetarian in keeping with NAAEE’s effort to reduce the ecological footprint of our conference. Most of the grain grown in the U.S. and a large amount of the water are consumed by livestock, not people. Although the impact will depend on both farming practices and ecosystems, eating less meat could result in more water in rivers, less soil erosion, fewer antibiotics in the ecosystem from factory-farmed animal waste, and less carbon in the atmosphere—assuming equally nutritious vegetarian substitutes. Bon Appétit!

MENU
Garden salad with twirled beets, croutons, black olives, and grape tomatoes; acorn squash stuffed with diced tofu, black beans, cannellini beans, black eyed peas, and wild mushrooms; dill carrots and green beans; twice baked potato; sweet potato cheesecake (vegan option available on request); coffee, decaf coffee, and tea
## Saturday Morning Sessions

### The Film Room (106-A)

**9:30 AM - 11:15 AM**

**The Role of Films in Environmental Education, a Symposium**

**Arts, Culture, and Spirituality**

**IT, K12**

**Moderator:** Liana Vitali (ARKive; Wildscreen USA)

**Speakers:** Chris Palmer (Author, Producer, Professor, and Director of the Center for Environmental Filmmaking); and Wildscreen 2010 Film Festival Finalist (TBA)

Films are an effective means of building environmental awareness and literacy. Come be introduced to award-winning environmental filmmakers and ARKive, a Wildscreen initiative, an EE resource and showcase for environmental films and photographs focused on threatened species. The speaker panel will precede a special showing of a film nominated for the 2010 Wildscreen Film Festival.

### The 20-Minute Presentation Room (102)

**9:30 AM - 9:50 AM**

**Connecting Future Teachers to Your National Parks: Parks Project Hawai‘i**

**Place-based Education**

**K12, RE**

**Presenter(s):** Darius Kalvaitis (University of Hawaii Hilo)

The Hawai‘i PARKS Project connected pre-service teachers with their natural history, culture and local environment through a National Park program by incorporating an inquiry-based science and environmental education program that nurtures stewardship and a passion for teaching outdoors.

**10:00 AM - 10:20 AM**

**Exploration of Elementary Students’ Perceptions of Food Systems Through Drawings**

**Teaching and Learning Sustainability**

**K12, RE**

**Presenter(s):** Oksana Bartosh (Directions Evidence and Policy Research Group), Jolie Mayer-Smith, Linda Peterat (University of British Columbia)

This qualitative study explores how a yearlong environmental farm-based program affects elementary students’ understanding of food systems. Using drawings, we examine student perceptions of food systems and compare it to the views of students in conventional programs.

### Symposia

Symposia are 9:30 AM – 10:50 AM, in various rooms in the convention center.

**9:30 AM - 10:50 AM**

**101-F**

**Energy, Environmental, and Earth Science “Literacy” - What Type is Most Important?**

**Energy Education and Green Technology**

**K12, RE**

**Presenter(s):** Susan Powers (Clarkson University), Jan DeWaters (Clarkson University), Nicole LaDue (Michigan State University), Bora Simmons

There are many types of science literacy that can be folded into environmental education, depending on one’s focus. In this session, four presenters will show how this is done with the topics of energy, environmental, and earth science literacy.

**106-B**

**Strategies for Linking Schools with Communities for a Sustainable Future**

**Teaching and Learning Sustainability**

**K12, SL**

**Presenter(s):** Thomas Hudspeth, Jennifer Cirillo (Shelburne Farms and VT SWEEP)

Challenges and successes of multiple stakeholders—elementary teacher using schoolyard landscape to teach life cycles; NGO Shelburne Farms partnering with school district to launch the nation’s first K-5 sustainability magnet school; UVM professor teaching Sustainability Education service-learning courses—working together.
**Saturdays Morning Sessions**

**Hands-on Presentations**

Hands-on Presentations are 9:30 AM – 10:50 AM, in various rooms in the convention center.

### 9:30 AM - 10:50 AM

**104**

**EXPLORING STREAM CRITTERS TO DISCOVER WATER QUALITY**

*Conservation Education*  
**K12, WT**

**Presenter(s): Nicole Rahman** (South Branch Watershed Association)

One way to monitor watershed health is to sample the macroinvertebrates present in streams to reveal the water quality. Enjoy hands-on activities and handouts about these critters, how to identify them, and what their presence or absence means.

**106-C**

**SCIENCE & ECOLOGY: LIVE & UNPLUGGED!**

*Innovative Programs and Practices*  
**K12, RE**

**Presenter(s): Drew Dumsch** (Ecology Education, Inc.)

Science & Ecology: Live & Unplugged! is an environmental literacy program that partners schools, residential EE centers and ecosystem field trips. Ferry Beach Ecology School created the SELU curriculum and evaluation project to model the potential of Environmental Literacy Plans.

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**The Roundtable Room ~ 9:30 AM - 10:50 AM**

**Convention Center Ballroom**

**ADVOCATE OR EDUCATOR: EXPLORING OUR ROLE WITHIN A SOCIAL-ECOLOGICAL JUSTICE FRAMEWORK**

*DV, IT*

**Presenter(s): Daniel Domínguez**

This session focuses on the social justice discourse of environmental educators, presents Eco-pedagogy as an emerging form of socially-critical EE, and examines The Earth Charter as a pedagogical tool that helps promote equity, democracy, peace, and justice.

**AFFECTS OF EE APPROACHES ON ENVIRONMENTAL LITERACY AND ACADEMIC ACHIEVEMENT**

*RE, SL*

**Presenter(s): Tom Marcinkowski** (Florida Institute of Technology), **Tom Ackerman**

The NCLI Coalition has built support for NCLI and supported states developing Environmental Literacy Plans (ELPs). We will discuss research on diverse EE approaches that are relevant to ELPs with SEA and LEA representatives.

**CAN YOUTH WILDFIRE EDUCATION LEAD TO FIRE-ADAPTED HUMAN COMMUNITIES?**

*Southern Oregon University, Heidi Ballard, Pamela Jakes*  
**USDA Forest Service Northern Research Station**

Join us for a discussion of project-based wildfire education programs that support and enhance community awareness, risk reduction, and resilience. Contribute your ideas to the most critical elements and strategies. What does success look like for you?

**CREATING A SCHOOL-BASED ECOLOGICAL FOOTPRINT SCORECARD**

*Cary Institute of Ecosystem Studies, Alan Berkowitz*  
**K12, SL**

**Presenter(s): Cornelia Harris, Kim Notin** (Cary Institute of Ecosystem Studies), **Alfred E. Berkowitz**

A school’s ecological footprint becomes more powerful when students are responsible for collecting, explaining, and presenting the data, and then using that information to decide what stewardship projects to pursue in order to make the largest impact.

**CREATING STUDENT INQUIRY, WHATEVER THE WEATHER**

**K12**

**Presenter(s): Donna Rainboth, Miriam Munck**

Engage in an inquiry focused on measuring weather conditions. The question, “What can homemade weather instruments tell us about the place we live?” leads students to collect and record data, while comparing and contrasting it with local weather data.

**ECO-SCHOOLS USA: GREENING SCHOOLS INSIDE, OUTSIDE, AND THROUGHOUT THE CURRICULUM!**

*K12*

**Presenter(s): Elizabeth Soper** (National Wildlife Federation)

Come join the National Wildlife Federation and learn more about our new Eco-Schools USA Program (www.eco-schoolsusa.org) and our collaborative partnership with NASA: Climate Change Connections.

**EPAs ENVIRONMENTAL EDUCATION PROGRAMS AND RESOURCES FOR STUDENTS AND EDUCATORS**

**K12, SL**

**Presenter(s): Larry Brown, Org** (US EPA Region III), **Ruth McCully, Megan Gavin, Sally Hantf** (EPA – Seattle Regional Office), **Denise Morrison, Teresa (Terry) Ippolito** (U.S. EPA), **Drew Burnett** (U.S. EPA), **Karen Scott**

EPA provides no cost educational resources for students, educators and the general public. Learn about the President’s Environmental Youth Award, Climate Ambassadors, SunWise, Tools for Schools, WaterSense, grants, Web sites, internships, fellowships, curricula, publications, guidelines, partnerships, information centers, contests, and more.

**FIELD STUDIES UNPLUGGED**

**K12**

**Presenter(s): Jeanne Troy, Mary Ann Zadorozny** (National Park Service)

Learn how the BTW program provides new ways for students to connect with nature while feeling “connected.” Digital pens, digital cameras, and probeware afford students a link to their world while remaining focused on learning in a natural place.

**FINDING WONDER: INSPIRING ELEMENTARY STUDENTS WITH THE MAGIC OF NATURE**

**EC, K12**

**Presenter(s): Karin Bodony** (U.S. Fish and Wildlife Service)

In rural Alaska, elementary students participated in a week-long day-camp that merged scientific learning with imaginative and wonder-filled exploration of the outdoors. This was a cooperative program involving National Wildlife Refuges, and the local school and tribe.
FLYING WILD: CONNECTING URBAN YOUTH WITH BIRDS  
DV, K12  
Presenter(s): Flisa Stevenson  
Engage underserved students in environmental education in their own city block by using birds as a hook to generate interest in conservation and the environment. Hands-on curriculum prepares urban students to take action to conserve birds.

GARDENING AS A BASIS FOR PLACE-BASED EDUCATION  
EC, K12  
Presenter(s): Susan James (Mohican School in the Out-of-Doors, Inc.)  
School and community gardens provide a means of reaching across all ages, cultures and socio-economic groups to teach environmental stewardship and sustainability. This presentation examines a worldwide gardening program that provides a foundation for place-based education.

INTEGRATED APPROACH FOR HIGH SCHOOL TEAMING  
K12, RE  
Presenter(s): John LaFever (Thomas Jefferson High School for Science and Technology), Catherine Lewis (Thomas Jefferson High School for Science and Technology), Dennis McFadden (Thomas Jefferson High School for Science and Technology)  
The audience will learn how an Integrated Biology, English, Technology (IBET) program works. We will outline our program of studies and will discuss our contribution to a common environmental project.

MAMMOTH CAVE AS PLACE-BASED LEARNING FOR PRE-SERVICE ELEMENTARY TEACHERS  
K12, WT  
Presenter(s): Jeanine Huss, Cheryl Messenger (Mammoth Cave National Park)  
Pre-service teachers spend two full days or six hours at the national park to learn how karst topography, rocks and minerals, and water affect the above and below ground features. The longer trips develop a stronger sense of place.

MUSIC AS A FUN AND EFFECTIVE TOOL FOR EE  
K12, WT  
Presenter(s): Sharon Abreu (Irthlingz Arts-Based Environmental Education)  
Singer-educator Sharon Abreu of Irthlingz Arts-Based Environmental Education will demonstrate the power of music for EE, sharing environmental songs and vocal technique tips and helping participants gain confidence incorporating music into EE. Group participation is encouraged but not mandatory.

OPEN SPACE STEWARDSHIP PROGRAM: A SCHOOL, COMMUNITY, GOVERNMENT PARTNERSHIP  
K12  
Presenter(s): Melvyn Morris  
OSSP fosters a partnering relationship for stewardship of public properties pairing school districts with local government agencies to collect and analyze data that is useful for managing the property. Students engage in real world activities and solve real world problems.

PARTNERING AND PLANNING FOR AN ENVIRONMENTALLY LITERATE NY  
K12  
Presenter(s): Susan Hereth (Scenic Hudson)  
Please join members of the NYSOEA Environmental Literacy Committee in a roundtable discussion on the grassroots effort for a NYS environmental literacy plan. Learn of the efforts to date and next steps on the ELP work. Join the coalition!

PBL POST-NCLB: DEVELOPING 21ST CENTURY SKILLS & ENVIRONMENTAL LITERACY  
K12  
Presenter(s): Sylvia Parker  
Place-based learning projects present the opportunity to learn 21st Century Skills while addressing real community issues and developing environmental literacy. Examples of successful projects in Wyoming and the West will be highlighted as well as suggestions for teacher professional development.

PROJECT EARTH – CONNECTING OUR ENVIRONMENTAL PROJECTS INTERNATIONALLY  
Bi, IT, K12  
Presenter(s): Bob Gibson (ecology and environment, inc.)  
ProjectEarth.net is an initiative of Ecology and Environment, Inc. to connect schools, individuals and organizations around the world to share environmental projects and ideas.

PROMOTING GOOD GLOBAL CITIZENSHIP WITH SWEET SUSTAINABLE CHOCOLATE CASE STUDIES  
K12  
Presenter(s): Julianne Schrader (Rainforest Alliance), Maria Ghiso (Rainforest Alliance)  
Searching for appetizing ways to bring global issues into your classroom? Sample the Rainforest Alliance’s free, online curriculum and take a journey from the bean to the bar to discover the sweet side of sustainable chocolate in Ecuador and Ghana.

QUEST TO NEST: EDUCATIONAL GAMING TO REACH YOUNG AUDIENCES  
K12  
Presenter(s): Peggy Steffen, Bruce Moravchik (NOAA National Ocean Service)  
Educational gaming has huge potential in the science education realm and is a rapidly-growing tool for educators to engage digital students. A series of WaterLife Games now features the latest release, “Quest to Nest” about loggerhead sea turtles.

SCHOOL RECYCLING PLEDGE: INNOVATIVE RECYCLING EDUCATION  
K12  
Presenter(s): Sarah Stewart (Onondaga County Resource Recovery Agency)  
The presentation highlights the School Recycling Pledge, an innovative program in Onondaga County, New York which educates K-12 students about recycling by incorporating a signed commitment into their program. Program specifics, educational achievements, examples, and results will be included.

SPEAKING OF DIFFICULT FUTURES: THE NEED FOR TIME-BASED ENVIRONMENTAL EDUCATION  
K12, RE  
Presenter(s): Richard Kool  
The questions that environmental educators routinely confront are questions embedded in space and time. While we have a strong interest in space/place-based education, we neglect the importance of time-based education, of education that helps us to confront the future.

STRAW: STUDENTS AND TEACHERS RESTORING A WATERSHED  
K12, WT  
Presenter(s): Laurette Rogers (The Bay Institute)  
STRAW: a habitat restoration project begun and implemented by K-12 students. It has galvanized local communities and created significant educational innovations. Since 1992, STRAW has facilitated over 280 restoration projects with 25,000 students restoring over 20 miles of riparian habitat.
THE STUDENT ENERGY TEAM GUIDE was developed by the Kentucky NEED Project to empower student leaders who educate building occupants and the community about energy efficiency, reducing energy consumption, and environmental impacts, using the school building as a learning laboratory.

STUDENTS MAPPING LOCAL LAND USES FOR WATER QUALITY PROTECTION

Students can impact local water quality by collecting data in the field and displaying it in interactive Google Earth maps. Using GPS/GIS technologies, these maps can be used by students to deliver best management practice recommendations to decision-makers.

TAKING NEW APPROACHES TO TRAIN ENVIRONMENTAL EDUCATION VOLUNTEERS AND ADVOCATES

Environmental organizations must continually find innovative ways to get messages out. Come learn how the Appalachian Mountain Club is successfully using online tools to train volunteers, educate advocates about climate change, and reconnect more families to the outdoors.

TEACHING FOR ENVIRONMENTAL LITERACY: REMOVING BARRIERS

Many teachers participate in professional development in order to increase their students' environmental literacy. Despite best intentions, the training often doesn't translate into classroom practice. Drawing on experience and research, presenters will discuss challenges and possible ways of removing barriers.

THE TRIANGLE OF HOPE: HOW PROGRESSIVES CAN START BEING TRULY SUCCESSFUL

NAAEE is full of those who share a mission to better the way we treat our planet through the best practices in education. However hope lies in engaging on the population issue for long-term success.

USING THE CAMPUS COMMUNITY TO CREATE AN ENVIRONMENTAL LEARNING CENTER

Indiana University of Pennsylvania has been working over the past two years to create an environmental learning center in a small, previously unused space on campus. Trials and tribulations of turning innovative ideas into reality will be shared.

WATER YOU WEARING?! - LEARNING ABOUT OUR VIRTUAL WATER USE

Toronto and Region Conservation’s water education kit allows teachers to use the fundamentals of systems thinking to introduce students to the concept of virtual (or embedded) water. Are you ready to take the plunge?

SATURDAY MORNING SESSIONS

Combined Panels

Combined Panels are in various rooms in the convention center; they have two time slots this morning.

9:30 AM - 10:15 AM

101-D

EE EARLY CHILDHOOD

Innovative Programs and Practices

Join us for a session that gives an overview of early childhood learning opportunities through Project Learning Tree and Growing Up Wild.

FACILITATING EARLY CHILDHOOD ENVIRONMENTAL EDUCATION WITH PROJECT LEARNING TREE

Presenter(s): Jackie Stallard (Project Learning Tree), Al Stenstrup (American Forest Foundation)

Learn about and experience effective, hands-on activities to introduce science concepts to young children, using PLT’s new early childhood curriculum. Each participant will receive PLT’s Environmental Experiences for Early Childhood activity guide and accompanying music CD.

GROWING UP WILD: AN APPROACH TO EARLY CHILDHOOD ENVIRONMENTAL EDUCATION

Presenter(s): Marc LeFebre, John Tyson

Growing Up WILD, a new program from Project WILD, is designed for children ages 3-7. GUW is correlated with NAEYC standards, aligned to Head Start domains, and is packed with creative techniques and approaches to early childhood environmental education.
SANTURDAY MORNING SESSIONS

Combined Panels (continued)

Combined Panels are in various rooms in the convention center; they have two time slots this morning.

9:30 AM - 10:15 AM

101-A
CONSCIOUSNESS, AGENCY, AND CRITICAL APPROACHES TO ENVIRONMENTAL EDUCATION
K12, RE

Socio-ecological Justice and Community Engagement

This session combines two presentations and shared dialogue exploring how we can engage students in order to enable deeper and more systemic social change towards sustainability. Theories of poststructuralism and ecopedagogy will be discussed in relation to environmental education practice.

ENGENDERING AGENCY IN EDUCATIONAL ‘COMMONS’

Presenter(s): Lisa (Diz) Glithero (University of Ottawa)

Through a conversation-style presentation, we will explore the link between teacher and student as epistemic agent (understanding knowledge claims, consciousness, and worldviews) and change agent (seeing knowledge situated within a world in which one can enact change).

THE ECOPEDAGOGY MOVEMENT: AN INTRODUCTION

Presenter(s): Richard Kahn

In this talk, I introduce some of the core ideas and goals of an emerging international critical ecopedagogy movement. This presentation will specifically outline my new book, *Critical Pedagogy, Ecoliteracy, and Planetary Crisis: The Ecopedagogy Movement* (Peter Lang, 2010).

101-C
SOCIO-ECOLOGICAL EDUCATION WITH DIVERSE YOUTH
K12, RE

Socio-ecological Justice and Community Engagement

From Buffalo, to Milwaukee, to Redwood City California, this session shares community-based practices used to engage diverse youth in social and ecological learning in various U.S. contexts.

HIGH SCHOOL GREEN TEAM DISCOVERS BENEFITS OF COMMUNITY ACTIVISM

Presenter(s): Adam Hovey (South Park High School)

Fifty students at South Park High School formed a team on which no student could fail, the Green Team. They took on several challenges chief among them being a battle to restore a park along the Buffalo River.

REDWOOD CITY VERDE: TAKE YOUTH OUTDOORS AND GREEN YOUR COMMUNITY!

Presenter(s): Sigrid Mueller (Save The Bay)

Presenters will share lessons learned from an innovative city-led initiative to not only provide youth with environmental education opportunities, but to engage them in a peer-based research project focused on understanding the barriers that prevent youth from spending time outdoors.

THE URBAN ECOLOGY CENTER: ENVIRONMENTAL EDUCATION REACHES OUR INNER-CITY COMMUNITIES.

Presenter(s): Joey Zocher (Urban Ecology Center)

The Urban Ecology Center is an environmental community center located in Milwaukee, WI. The Washington Park Program Director will discuss the community impact the center has had on the 134,000 people living within two miles of the park.

10:30 AM - 11:15 AM

101-B
ENGAGING AND CONNECTING STUDENTS WITH SCIENCE AND ECOLOGY USING ART
Arts, Culture, and Spirituality

These presentations feature the FOCUS campaign in partnership with the U.S. Forest Service, and NOAA, with researchers in ecosystem restoration, both of which use environmental artists to engage and connect students with our water and environment from forest to sea.

FORESTS, OCEAN, CLIMATE, AND US: TEACHING WATERSHED SCIENCE THROUGH ART

Presenter(s): Jonathan Shannon (NOAA Office of National Marine Sanctuaries), Sue Ann Balogh (Wyland Foundation)

FOCUS (Forests, Ocean, Climate – and Us), a nationwide campaign, uses art and science to explore young peoples’ connections to watersheds and each other, and to discover how their actions impact the future of our water supplies, climate, and global health.

STREAMS OF THOUGHT: TEACHING ART THROUGH SCIENCE AND SCIENCE THROUGH ART

Presenter(s): Gary Wolfe (Buffalo Society of Artists), David Biersch (Civil Engineering Dept., SUNY at Buffalo), Alan Rabideau (University at Buffalo)

Researchers in UB’s interdisciplinary PhD program in ecosystem restoration partnered with local artists to create a work of art that suitably depicts the complexity of human interactions with ecosystems for both aesthetic and educational purposes.
Combined Panels are in various rooms in the convention center; they have two time slots this morning.

**10:30 AM - 11:15 AM**

**101-E**

**THEATRE, MUSIC, AND BATS IN A GUM TREE**  
Arts, Culture, and Spirituality

Using theatre, music, and the ability of children to create something special out of the ordinary, both percussionist, Tom McGrath, and members of Missoula Children’s Theatre use a child’s own imagination and creativity to impart important social messages.

**GO ANIMAL! OR EXTINCTION STINKS!**  
**AN ECO-PERFORMANCE FOR KIDS**

Presenter(s): Benette Whitmore (SUNY ESF), Tom McGrath (SUNY ESF)

This presentation provides snippets from an interactive eco-performance for kids, based on Benette Whitmore’s endangered species counting book, Ghost Bat in a Gum Tree, with music by percussionist Tom McGrath. Kids learn to make eco-friendly musical instruments from found objects.

**WHERE IS THE GREAT OUTDOORS? SCHOOL ASSEMBLY CAMPAIGN & PARTNERSHIP**

Presenter(s): Steven Kratville (U.S. Forest Service, Northern Region), Don Collins (Missoula Children’s Theatre)

The Where is the Great Outdoors’ School Assembly Campaign focuses on reconnecting children with nature in their communities. Led by Missoula Children’s Theatre Actor/Director Teams, the assemblies are interactive, engaging and entertaining presentations designed to impart important social messages.

**108 GLOBAL LITERACY PERSPECTIVES: THE NORTHERN PERU DELEGATION OF NAAEE-NABT-NCGE REPORT Panel**

Network and Leadership Development DV, IT, RE

Presenter(s): Ashley Dayr (Cornell University-Lab of Ornithology/NAAEE representative), Janet Ady (US Fish and Wildlife Service/NAAEE representative), Catherine Hibbitt (The Lincoln School/NABT representative), Marsha Alibrandi (Fairfield University/NCGE representative)

Three academic societies report on the importance and outcomes achieved through a grant sponsored by Holbrook Travel and PromPeru Tourism Board to develop educational exchange linkages within Northern Peru within the fields of geography, life sciences, and environmental sciences.

**45-minute Traditional Presentations**

45-minute traditional presentations are in various rooms in the convention center; they have two time slots this morning.

**9:30 AM - 10:15 AM**

**101-E**

**THEATRE, MUSIC, AND BATS IN A GUM TREE**  
Arts, Culture, and Spirituality

Presenter(s): Giuliano Reis (University of Ottawa)

The present case study reports on the joint effort of two science professors to implement storytelling in their classrooms as a resource to improve ecological teaching and learning in schools.

**101-B**

**COSEE GL – PARTNERSHIPS IN CONSERVATION EDUCATION**  
Conservation Education K12, WT

Presenter(s): Helen Domske, Michael Goehle (U.S. Fish & Wildlife Service), Lauren Makeyenko

COSEE Great Lakes has utilized effective partnerships with U.S. Fish and Wildlife Service, the Buffalo Museum of Science, and others to improve conservation education in the Great Lakes basin. This session highlights how successful partnerships address issues of invasive species.

**103 TEACHER-RANGERS: CONNECTING STUDENTS TO THE OUTDOORS IN AN URBAN NATIONAL PARK**  
Innovative Programs and Practices K12

Presenter(s): Pamela Barnes (National Park Service)

Combine three Teacher-Rangers, one National Park, and hundreds of students to get an explosion of excitement for the outdoors among urban students! Learn about how teachers are using their national park to connect urban students to Cuyahoga Valley National Park.

**107 TEXAS HILL COUNTRY ENVIRONMENTAL EDUCATION:**  
**MULTIPLE APPROACHES AND STAKEHOLDERS**  
Urban and Rural Interface K12, WT

Presenter(s): Tom Arsuffi (Llano River Field Station - Texas Tech University @ Junction), Megan Dominguez-Brazil, Jenny Lloyd-Strovas (Texas Tech University), Zachary Thomas (Texas Tech University)

Since Texas property is more than 85 percent urban and 97 percent private, the TTU Llano River Field Station uses education and outreach with multiple approaches, scales, stakeholders, and age groups to foster increased interest in science, environmental literacy, and ecology.

**101-H**

**THE GROWING MOVEMENT: GARDEN, FOOD AND FARM-BASED EDUCATION**  
Urban and Rural Interface BI, K12

Presenter(s): Megan Camp, Dana Hudson (Shelburne Farms)

A garden for every child. A farm for every school. Farm to School programs and Farm-Based Education are growing in popularity. What are some of their promising practices? How do you start and sustain these efforts? Learn from innovative programs.
SATURDAY MORNING SESSIONS

45-minute Traditional Presentations (continued)

45-minute traditional presentations are in various rooms in the convention center; they have two time slots this morning.

10:30 AM - 11:15 AM

103
A GLOBAL CONTEXT FOR SUSTAINABLE BIOENERGY DEVELOPMENT
Energy Education and Green Technology IT, K12
Presenter(s): John Greenler, Sara Krauskopf (Great Lakes Bioenergy Research Center)
Bioenergy takes many forms and plays a significant role in global energy choices. Examine diverse energy use patterns from sources to end uses and compare the United States to the rest of the world. Then, consider bioenergy and sustainability issues.

101-A
FIELD TRIPS THROUGH FOOD SYSTEM: EXPERIENTIAL ENVIRONMENTAL LEARNING IN HIGHER ED
Socio-ecological Justice and Community Engagement RE, SL
Presenter(s): Allison Gorainik
Students’ everyday nature contact through eating offers a fruitful means to approach an understanding of place, nature, and environmental ethics, and a meaningful way to understand the pedagogy of nature experience and ethics in comparison to faraway ‘special’ nature experiences.

101-H
GREEN STEMS: GENERATING CLEAN ELECTRONS AND ENVIRONMENTALLY LITERATE STUDENTS
Energy Education and Green Technology BI, K12
Presenter(s): Edward Falco (Environmental Education Association of South Carolina)
The South Carolina Department of Education is piloting a comprehensive Green STEM “Alternative Energy” high school course for mainstream and pre-engineering-, math- and science-focused students with intent to create a seamless “green career pathway” option. Early assessment looks promising.

101-D
ENVIRONMENTAL ACTION PROJECTS
Socio-ecological Justice and Community Engagement K12
Presenter(s): Peta White (University of Regina, SOEEA, EECOM)
Supporting students to explore environmental issues of personal interest using a carefully scaffold framework results in empowered, engaged students. Come to this session and see examples of student activism and action resulting from passion. The framework will be provided.

101-A
FIELD TRIPS THROUGH FOOD SYSTEM: EXPERIENTIAL ENVIRONMENTAL LEARNING IN HIGHER ED
Socio-ecological Justice and Community Engagement RE, SL
Presenter(s): Allison Gorainik
Students’ everyday nature contact through eating offers a fruitful means to approach an understanding of place, nature, and environmental ethics, and a meaningful way to understand the pedagogy of nature experience and ethics in comparison to faraway ‘special’ nature experiences.

101-C
STUDENTS EMPOWERING STUDENTS – FGCU CAMPUSS NATURALIST PROGRAM
Teaching and Learning Sustainability K12, SL
Presenter(s): Sarah Davis, Annette Snapp (Florida Gulf Coast University), Patricia Borden (Florida Gulf Coast University), Jessica Phillips (Florida Gulf Coast University), Tyler Offerman (Florida Gulf Coast University), Erica Klopf (Florida Gulf Coast University)
Meet students and instructors from FGCU and learn about this program that engages students in interpretive and environmental education roles. Student Naturalists educate their peer students introducing them to the unique Southwest Florida ecosystem and develop critical environmental education skills.

105
HELP – I HAVE NO IDEA WHERE MY FOOD COMES FROM!
Urban and Rural Interface K12, SL
Presenter(s): Jessica Altman (Buffalo Museum of Science)
Americans have little knowledge of food production, agriculture, and how pressures on land impact what they eat and where it comes from. How do our food choices affect our bodies today and the Earth tomorrow? Come find out!

SATURDAY AFTERNOON SESSIONS

The Film Room (106-A)

1:45 PM - 2:55 PM

ALL THINGS ARE CONNECTED: FIVE SHORT FILMS FOR HIGH SCHOOL GRADES 9-12
Arts, Culture, and Spirituality K12
Presenter(s): Joe Jenkins (Ethics Online)
A dramatic portrayal of key historical, scientific and spiritual perspectives that shape today’s attitudes to the environment. Designed for Grades 9-12, these films will inform, inspire and challenge all of us to articulate our own environmental ethic.

3:00 PM - 4:00 PM

WHEN LEARNING COMES NATURALLY
Teaching and Learning Sustainability EC, K12
Presenter(s): Rachel Grob (Sarah Lawrence College), Cheryl French, Jonathan Diamond (Jonathan Diamond Associates)
Through vivid images of children and teachers exploring the natural world, WHEN LEARNING COMES NATURALLY inspires inquiry and rich discussions of children and nature, school greening, gardens, sustainable communities, and ways to facilitate a lasting connection to the environment.
**SATURDAY AFTERNOON SESSIONS**

The 20-Minute Presentation Room (102)

1:45 PM - 2:05 PM

**EXPLORING TEACHER AND STUDENT CONCEPTIONS OF GROUNDWATER THROUGH DRAWINGS**

*Urban and Rural Interface*

Presenter(s): Nicole LaDue (Michigan State University), Jennifer Doherty (Michigan State University), Sara Syswerda (Kellogg Biological Station, Michigan State University), Krsitin Gunckel, Beth Covitt (University of Montana)

In this session, we will examine student and teacher drawings of groundwater for scientific and non-scientific conceptions. This technique provides environmental educators and professional developers with insight about pre-existing conceptions of groundwater and water cycle processes.

2:15 PM - 2:35 PM

**Sustainable Vehicle Unit Improves Energy Literacy Among High School Youth**

*Energy Education and Green Technology*

Presenter(s): Susan Powers (Clarkson University), Jan DeWaters (Clarkson University)

A unit that requires a systems perspective of our transportation options has been taught in an AP Environmental Science class. This presentation describes the contents of the unit and the assessment that shows an increase in the students' energy literacy.

**Hands-on Presentations**

Hands-on presentations are in various rooms in the convention center; there is one this afternoon.

1:45 PM - 3:05 PM

106-C

**RAISING TROUT, RAISING ENVIRONMENTAL STEWARDS**

*Urban and Rural Interface*

Presenter(s): Lilli Genovesi (Trout Unlimited - Trout in the Classroom), Min-Ying Shih (New York City Department of Environmental Protection), Rochelle Gandour (Trout Unlimited)

How do we teach youth to become environmental stewards when life’s most basic need can be obtained by turning a faucet? With activities and discussion, we’ll explore the trout and water connections between urban and rural students in New York.

2:45 PM - 3:05 PM

**IMPLEMENTING SOURCE SEPARATED ORGANICS PROGRAM IN ELEMENTARY AND SECONDARY SCHOOLS**

*Teaching and Learning Sustainability*

Presenter(s): John Watson (Regional Municipality of Halton)

Learn how Halton Region has successfully expanded its GreenCart program into 94 elementary and secondary schools, collecting food for composting. Supported by an education program for students and teachers, schools have greatly reduced the amount of waste going to landfill.

**Symposia**

Symposia are in various rooms in the convention center and have one time slot this afternoon.

1:45 PM - 3:05 PM

106-B

**CREATING COMMUNITY-BASED LEARNING PROGRAMS**

*Innovative Programs and Practices*

Moderator(s): Jeremy Solin
Presenter(s): Matt Dubel, Christine Kelly

Community-based learning utilizes the community as the setting and purpose for students’ learning. Program coordinators and teachers from Vermont and Wisconsin will discuss the design, approach, and experience of working with schools and communities to implement community-based learning programs.

106-D

**FOREST FOR EVERY CLASSROOM - PROFESSIONAL DEVELOPMENT MODEL**

*Innovative Programs and Practices*

Presenter(s): Joan Haley (Shelburne Farms & Marsh-Billings-Rockefeller NHP), Mary Wellings (Shelburne Farms), Steven Kratville (U.S. Forest Service, Northern Region), Susan Cox (US Forest Service), Pat Stephens Williams (Stephen F. Austin State University)

A Forest for Every Classroom is a year-long professional development series for educators aimed at providing the inspiration, knowledge, and skills required to transform standards-based classroom teaching into effective and exciting place-based education.
SATURDAY AFTERNOON SESSIONS

Combined Panels

Combined Panels are in various rooms in the convention center and they have one time slot this afternoon.

1:45 PM - 2:30 PM

101-B

OCEAN LITERACY: TWO PERSPECTIVES

Innovative Programs and Practices  K12, RE, WT

Understanding our oceans has never been more important than now. This session will provide insights and practical strategies for helping learners to realize the complexity and wonder of the ocean environment. Two unique approaches and perspectives will be presented.

BRING OCEAN LIVE! INTO YOUR CLASSROOMS

Presenter(s): Jonathan Shannon (NOAA Office of Natl Marine Sanctuaries)

Bring the Ocean LIVE! into your classroom through a cutting-edge ocean science education portal. See how these free electronic resources can make the ocean come alive for your students!

101-E

CLIMATE CHANGE AND SUSTAINABILITY EDUCATION

Teaching and Learning Sustainability

Climate change has enormous potential for disrupting existing ecological balances with significant negative implications for a cross section of the planet’s population. Panelists will discuss methods and case studies involved with educating a variety of stakeholder groups on climate change.

INTEGRATING CLIMATE CHANGE EDUCATION WITH EXISTING CURRICULUM

Presenter(s): Anne Burnett (NatureBridge), Kerri McAllister (Headlands Institute, a campus of NatureBridge)

Learn the approach taken by NatureBridge as we work to integrate climate change education into our programs. Find out how we prepared, what steps we have taken, what we have achieved, and the lessons learned along the way.

MODELING SUSTAINABILITY EDUCATION THROUGH STUDENT SCIENTIFIC INVESTIGATION OF LOCAL CLIMATE

Presenter(s): Sheila Yule (The GLOBE Program)

This session will focus on a model for teachers and students in Sustainability Education while describing a process and providing a network for student engagement in scientific investigation of climate in partnership with scientists, classrooms, and local community stakeholders.

45-minute Traditional Presentations

45-minute traditional presentations are in various rooms in the convention center and they have two time slots this afternoon.

1:45 PM - 2:30 PM

101-H

WE’RE ALL INTERCONNECTED – USING MULTIMEDIA IN ENVIRONMENTAL EDUCATION

Arts, Culture, and Spirituality  EC, K12

Presenter(s): Rosie Emery (WGCU Public Media)

We’re All Interconnected aims to demonstrate how songs, stories, animation, and movement can be easily incorporated into environmental education in a fun and effective way, facilitating the integration of lessons on interconnectivity into daily curricula.

101-G

INNOVATIVE INVESTIGATIONS OF ENERGY ISSUES WITH INSTRUCTIONAL AND GEOSPATIAL TECHNOLOGIES

Energy Education and Green Technology K12

Presenter(s): Tamara Peffer (Lehigh University), Alec Bodzin (Lehigh University), Violet Kulo (Lehigh University), Ryan McKeon (Lehigh University), David Anastasio (Lehigh University), Dork Sahagian (Lehigh University)

The Environmental Literacy and Inquiry curriculum (www.ei.lehigh.edu/el) engages middle school students in investigations about environmental issues, using instructional and geospatial information technologies. Participate in engaging activities that promote student energy literacy.

101-A

SOLAR IN ACTION: USING DATA FROM NEW YORK’S SOLAR SCHOOLS

Energy Education and Green Technology  K12

Presenter(s): Jocelyn Cohen (Energy Smart Students, NYSEDA)

Learn to use online data from New York’s network of 50 solar schools to prepare K-12 students for our clean energy future. View power and energy data, download data to your computer, and do much more with this vital tool.

105

SCHOOL OF ENVIRONMENTAL EDUCATION (SEE TEAM)

Innovative Programs and Practices  K12, SL

Presenter(s): Jennifer Waldock (Riverside Brookfield High School), Jame Holt

The SEE Team at Riverside Brookfield High School is a school-within-a-school for 9th grade students. Through environmentally-themed units and a partnership with neighboring Brookfield Zoo, students engage in hands-on learning experiences, while still meeting state standards in traditional subjects.
45-minute Traditional Presentations (continued)

**1:45 PM - 2:30 PM**

107 **SEE HOW EPA USES SOCIAL MEDIA/NETWORKING TO ENHANCE ENVIRONMENTAL EDUCATION**
Innovative Programs and Practices  \( \text{K12} \)
Presenter(s): Sally Hanft (Environmental Protection Agency), Megan Gavin

U.S. EPA will demonstrate how its environmental education websites use widgets, podcasts, Facebook, YouTube and other tools to enhance effective on-line and classroom experiences. Learn how EPA education programs in air, water, and waste can enhance educational programming.

108 **THE NO CHILD LEFT INSIDE ACT – SYSTEMIC EE IN K-12 SCHOOLS**
Network and Leadership Development  \( \text{K12} \)
Presenter(s): Shareen Knowlton (Roger Williams Park Zoo), Sarah Bodor (Chesapeake Bay Foundation), Linda Rhoads

Get up to date on the No Child Left Inside Act, a federal bill that will increase environmental education in K-12 schools and children’s interaction with nature. Learn how partnerships have fostered early and what can you do to support it.

103 **CLASSROOMS UNLEASHED**
Place-based Education  \( \text{K12, WT} \)
Presenter(s): Jessica Templeton

Nevada Outdoor School runs a place-based outdoor field trip program for grades 1-6 in rural northern Nevada. Learn about our program model and how to create a program that meets the needs of your unique location and ecosystems.

109 **AN OCEAN OF TOOLS: ONLINE RESOURCES FOR THE 21ST CENTURY CLASSROOM**
Teaching and Learning Sustainability  \( \text{K12, WT} \)
Presenter(s): Bruce Moravchik (NOAA National Ocean Service), Peggy Steffen

NOAA Ocean Service Education provides multimedia resources to learn about and teach ocean-, coastal- and climate-based environmental science. The presentation includes inquiry-based tutorials, exercises with data, case studies, games, and activities.

**2:45 PM - 3:30 PM**

104 **DO ENVIRONMENTAL FILMS EFFECTIVELY PROMOTE ENVIRONMENTAL EDUCATION?**
Arts, Culture, and Spirituality  \( \text{IT} \)
Presenter(s): Chris Palmer (American University School of Communication)

Filmmaker/professor Chris Palmer uses clips to describe what it takes to produce films that impact environmental awareness in a tangible, measurable way, and discusses his book, *Shooting in the Wild: An Insider’s Account of Making Movies in the Animal Kingdom*.

101-C **EXPLORING SUSTAINABILITY WITH 10- TO 15-YEAR-OLDS**
Teaching and Learning Sustainability  \( \text{K12, SL} \)
Presenter(s): Tim Grant

After examining principles for sustainability education, participants will practice hands-on activities that explore food systems, calculate ecological footprints, help 10- to 15-year-olds differentiate between needs and wants, and demonstrate our connections to the world’s peoples and global ecosystems.

101-D **INFUSION, INCLUSION, OR CONFUSION – SUSTAINABLE DEVELOPMENT IN ONTARIO PUBLIC SCHOOLS**
Teaching and Learning Sustainability  \( \text{IT, K12} \)
Presenter(s): Mark Lowry (Ontario Association for Geographic and Environmental Education), Charles Hopkins

Ontario has brought together a consortium of stakeholders of the school system to explore methods of moving all participants of Boards to a culture of Sustainability. A discussion of the procedures that has taken place will ensue.

101-F **WEB 2.0: SOCIAL NETWORKING IN TEACHER EDUCATION ENVIRONMENTAL EDUCATION CURRICULUM**
Teaching and Learning Sustainability  \( \text{EC, K12} \)
Presenter(s): Jana Willis, Brenda Weiser

This presentation examines findings of a project that initiated a collaborative approach to the design and development of technology-rich environmental education modules. The faculty involved will focus on the integration of Web 2.0 technologies that are available to today’s classrooms.
45-minute Traditional Presentations (continued)

45-minute traditional presentations are in various rooms in the convention center and they have two time slots this afternoon.

2:45 PM - 3:30 PM

101-A
ENVIRONMENTAL EDUCATION TAUGHT IN SUBURBAN AND RURAL KENTUCKY
Socio-ecological Justice and Community Engagement  K12, WT
Presenter(s): Jeanine Huss
The rural, conservative context of place shapes how EE should be addressed and is a gap in the literature. Pre-service teachers in Kentucky must be taught EE in a non-threatening, non-leftist way for use in their future classrooms.

101-G
ENGAGING STUDENTS IN SUSTAINABILITY – UNIVERSITY COLLOQUIUM: A SUSTAINABLE FUTURE
Teaching and Learning Sustainability  K12, SL
Presenter(s): Sarah Davis, Annette Snapp (Florida Gulf Coast University)
Join Florida Gulf Coast University instructors and learn about this long-running course in sustainability required of all undergraduate students. The course combines experiential learning, reflective assignments, and field experiences fostering a sense of place and ecological perspective for students.

101-E
EXTENDING LEARNING INTO THE COMMUNITY: THREE MODELS FOR CIVIC ACTION
Teaching and Learning Sustainability  K12, SL
Presenter(s): Robin Goettel (Illinois-Indiana Sea Grant Program), Terri Hallesy (Illinois-Indiana Sea Grant)
Learn how innovative education models created an environmental ethic, empowering students to sustain local waterways. Dialogue with presenters on best practices to help students gain decision-making/communication skills as they become agents-for-change, inspiring environmental action in others via dynamic partnerships.

101-H
GROWING A GREENER SCHOOL – CULTIVATING COMMUNITY ENGAGEMENT THROUGH ENVIRONMENTAL LITERACY
Teaching and Learning Sustainability
Presenter(s): Bronwyn Mitchell (Maryland Association for Environmental and Outdoor Education (MAEOE))
This workshop will highlight the successes of the MD Green School Program over the last 10 years and the ways it has engaged communities in both urban and rural environments.

101-C
ITS HARD TO UNLEARN BAD HABITS: EARLY INTERVENTION IN ENVIRONMENTAL EDUCATION
Teaching and Learning Sustainability  EC, K12
Presenter(s): Cecile Carson, Linda Schertz (University of North Texas), Patsy Robles-Goodwin (Texas Wesleyan University)
The critical period for the development of lifelong habits evolves during early childhood. Based on Developmentally Appropriate Practices and Sheltered Instruction Observation Protocol, Keep America Beautiful provides lessons that guide early learning experiences about litter, beautification, and waste reduction/recycling.

101-B
TEACHING FOR SUSTAINABLE FUTURES: RESULTS/IMPLICATIONS OF A NATIONAL STUDY
Teaching and Learning Sustainability  K12, RE
Presenter(s): Lisa Huelskamp (Westerville City Schools/adjunct Prof.)
A recent national study examinations the use of problem-based learning with computer simulation and provides a model to investigate in-service teachers’ use of inquiry, technology, integration of science disciplines, and understanding of the nature of middle level learners around sustainability.
## SUNDAY FIELD EXPERIENCES

**POWER & BEAUTY: A TRIP TO NIAGARA FALLS**

<table>
<thead>
<tr>
<th>Depart 8:00 AM Return 6:00 PM</th>
<th>$82</th>
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<tr>
<td>Come see the majestic falls in action! Participants will learn about the power of water as the Niagara River flows north into Lake Ontario. You will visit the NY Power Vista and speak with an engineer about hydroelectric power, and the Gorge Discovery Center where you will take an elevator ride to explore the geology of the falls. The day will conclude with a few hours of time on your own at the glorious falls! The tour bus will not go into Canada at any point due to travel restrictions. There will be time to enter Canada on your own; for information on travel into Canada visit <a href="http://www.getyouhome.gov">www.getyouhome.gov</a>.</td>
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**NIAGARA RIVER CANOEING**

<table>
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<tr>
<th>Depart 7:45 AM Return 3:30 PM (returns to Buffalo Niagara International Airport)</th>
<th>$78</th>
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</thead>
<tbody>
<tr>
<td>Paddle the waters of the Niagara River and explore the beautiful views and wildlife on one of America’s most treasured rivers. Buffalo Niagara Riverkeeper will guide you across the river upstream of the Falls to explore two small islands that are teeming with birds. Learn about the Niagara River’s legacy of pollution, the impact of hydroelectric power, and Riverkeeper’s efforts to restore the region’s Great Lakes water.</td>
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</tbody>
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## MULTI-CULTURAL GATHERINGS

**SPONSORED BY THE NAAEE DIVERSITY COMMITTEE**

The Diversity Committee is hosting two gatherings as part of the association’s efforts to make the conference more inclusive and welcoming to people from diverse ethnicities and cultural backgrounds. Join us in celebration and building community.

**Thursday ~ 9:00pm Social Mixer**

Niagara Room - Hyatt

**Friday ~ 7:30pm No Host Dinner**

Off-site with local community groups
(See bulletin board in convention center lobby for location)
1st Annual **Green Schools National Conference**

Growing Green Schools Across America
October 24-26, 2010
Minneapolis, MN

The ONLY national event to focus on all aspects of greening schools

**featuring Keynote Speaker**

**Philippe Cousteau**
Environmental Activist
CEO, EarthEcho International

**Visit**
www.greenschoolsnationalconference.org

Questions?
Email: greeninfo@nationalgreenschools.org or Call: 1-800-280-6218
WHERE ARE WE?

The Buffalo Niagara Convention and Visitors’ Bureau has a visitor’s desk in the lobby and the Welcome to New York Committee will be there also to tell you about nearby cool places to eat, help you rent a bike, provide translation services, or to just gather around and hear what it is like to be a Buffalonian.

WIFI ACCESS & CYBERCAFÉ

There is free WiFi access in the convention center’s main lobby and exhibit hall. The meeting rooms do not have access. A small bank of computers will be available in the lobby of the convention center for those of you that do not travel with laptops or PDAs. Please be courteous to others and only use the computers for 20 minutes.

CHILD CARE

Please speak with the concierge at your hotel for recommended child care services.

PHOTOGRAPHY

Participation in conference events constitutes permission to use your likeness for any non-commercial uses as deemed appropriate by NAAEE. Photographs will be taken at all conference events. All photographs will be used strictly for news and NAAEE promotional purposes.

If you take pictures during field trips, workshops, or other sessions, and would be willing share copies with and give permission to NAAEE to use them on the Web site or in other NAAEE publicity materials (with credit to the photographer, of course), please visit the NAAEE Office (Ellicott Room at The Hyatt Hotel) and complete a photo release form. Or contact NAAEE Communications Manager Sue Bumpous at sbumpous@naaee.org after the conference.

SMOKING POLICY

NAAEE maintains a no-smoking policy during all conference sessions and events.

EQUAL OPPORTUNITY

The NAAEE conference is offered to participants on a non-discriminatory basis without regard to race, color, national origin, sex, disability, or age.

SPECIAL NEEDS

If you have any special or accessibility needs, please stop by the NAAEE Office for assistance.

ADA Compliance: All facilities used in Buffalo are ADA compliant.
This page gratefully acknowledges those who provide so much time and talent to NAAEE and to all the volunteers who do the work of our organization, whose names are too numerous to print here.

**2010 NAAEE Board of Directors**
Diane Cantrell, President
Pepe Marcos-Iga, President-Elect
Eddie Gonzalez, Secretary
Patricia Kelly, Treasurer
Nicole Ardoin
Sabiha Daudi
Debbie Figueras-Cano
Gary Heath
Brenda Metcalf
Natalie Swayze
Deb Thrall
Jeanne Troy
Abby Ybarra
Sue McGuire, Affiliate Network ex officio
Karen Hollweg, Past-President

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Adrian Ayson, Technology Manager
Sue Bumpous, Program and Communications Manager
Bridget Chisholm, Conference Manager
Emilia de la Sierra, Mexico Representative
Darlene Dorsey, Accountant
Mary Ocwieja, Membership Manager
Julie Polzer, Assistant Conference Manager
Aynsley Toews, Program Manager

**NAAEE Interns**
Jenna Burleigh
Amanda Candileri
Beatriz Cevallos Alvarez
Andrea Faller
Stephanie Ordon
Lilia Valencia

**Committee Chairs**
Awards – Ryan Brennan
Conference 2010 – Aaron Morehouse, Betsy Ukeritis, Jessica Olencyh & Mary Lynne Malone
Conference 2011 – Rosanne Fortner & Lois Nixon
Conference Planning & Oversight – Pepe Marcos-Iga

**Task & Sub-Task Force Chairs**
Strategic Business Plan Transition Task Force – Diane Cantrell
Communications – Donny Roush
Diversity and Inclusivity – Gus Medina
Governance – Pepe Marcos-Iga
Nominations and Elections – Dave Chase
Special Interest Groups – Joe Heimlich
Tri-nationalization Task Force – Natalie Swayze & Pepe Marcos-Iga

**Commission Chairs**
Arts and EE – Diane Silver
Conservation – Susan Schultz
Elementary/Secondary – Herb Broda
Environmental Justice – David Ruble
Higher Education – Teresa Coker
International – Ian Signer & Aliza Weller
Research – Marianne Krasny
Service Learning – Lisa Bardwell & Sandy Ryack-Bell
Sustainability Education – Jonathon Milne, Jeremy Solin, Elaine Jane Cole

**Council Chairs**
Certification Advisory Council – Brenda Weiser
Guidelines Advancement Council – Bora Simmons
Pre-Service Advisory Council – Christine Moseley & Blanche Desjean-Perrotta
Resource Reviews Advisory Council – Lori Mann
**2010 SCHOLARSHIP WINNERS**

**AFFORDABILITY SCHOLARSHIPS**

Again this year, NAAEE offered scholarships to help NAAEE members without adequate funding attend the annual conference, offering an affordable way to get the professional development that this annual meeting provides. Scholarships for a discounted conference registration were offered to 25 members.

**DIVERSITY SCHOLARS**

Funding for Diversity Scholarships comes from both generous donations by NAAEE members and from the EETAP Diversity Program.

- Jeff Baker
- Dechassa Lenjissa
- Birmachu
- Jason Corwin
- Yasin Dilsebo Darmulo
- Scott Frazier
- Mitra Ghotbi
- Himanshu Gopalan
- Bijan Kimiagar
- Adnan Lateef
- Henry Lickers
- Moramay Navarro Perez
- Nurmalia Nurmalia
- Hema Pant
- Neil Patterson
- Akima Price
- Karla Quintana-Pearce
- Bob Stevenson
- Albert Ybarra

**INTERNATIONAL TRAVEL SCHOLARS**

- Yasin Darmulo, Ethiopia
- Nurmalia Nurmalia, Indonesia

**NAAEE COLUMBIA SPORTSWEAR TEACHER SCHOLARS**

The 2010 NAAEE Columbia Sportswear Teacher Scholarship is a teacher/administrator award that recognizes a teacher’s achievement in environmental education in their classroom and the administrator who supported his/her endeavors. This scholarship is the first of its kind to recognize that in order for teachers to succeed at carrying out good programs, they need support from an administrator. Thank you to Columbia Sportswear for their generous support!

- Susy Ellison, Teacher
- Leigh McGown, Principal

**STAPP STUDENT SCHOLARS**

The Stapp Fund was established in 2001 in honor of NAAEE international leader Dr. Bill Stapp (1930-2001) to help students from around the world attend NAAEE’s annual conference. The scholarships are made possible through generous donations from NAAEE members and from the Silent and Live Auctions held each year at the NAAEE Annual Conference.

- Audrey Aamodt
- Lara Colley
- Annelena Delgado
- Shannon Dyck
- Rebecca Franzen
- Stephanie Goodwin
- Carie Green
- Sarah Hicks
- Afusat Jagun
- Sarah Larsen
- Meagan
- Leatherbury
- Jenny Lloyd-Strovos
- Lindsey McConnell
- Arthur Nwachukwu
- Tamara Peffer
- Lesley Sheridan
- Stephanie
- Shumacher
- Elizabeth Spence
- Cate Trueman
- Abhiyan Viplav
- Lilith Wyatt

**CONGRATULATIONS TO OUR CERTIFIED ENVIRONMENTAL EDUCATORS**

The following conference participants who registered by the Early Bird deadline have been certified as professional environmental educators by the NAAEE-supported programs in the state indicated. Learn more about NAAEE-supported EE certification programs at [www.naaee.org/programs-and-initiatives/professional-certification-and-accreditation](http://www.naaee.org/programs-and-initiatives/professional-certification-and-accreditation)

- **Colorado**
  - Katie Navin
  - Donny Roush
- **Kentucky**
  - Jennifer Adler
  - William Bennett
  - Roberta Burnes
  - April Haight
  - Cheryl Messenger
  - Debra Spillman
  - Melinda Wilder
  - Terry Wilson
- **North Carolina**
  - Elizabeth Folta
  - Shelby Laird
  - Renee Strnad
  - Libby Wilcox
  - Sarah Yelton
- **Texas**
  - Brenda Weiser
- **Utah**
  - Susan Snyder
  - Andree’ Walker
PERUVIAN INTERNATIONAL STUDIES FOR EDUCATION

DEVELOPMENT DELEGATION
IN NORTHERN PERU

PROGRAM SPONSORED BY

NABT
National Association of Biology Teachers

NCGE

NAAEE
North American Association for Environmental Education

GRANT PROVIDED BY

HOLBROOK TRAVEL

iPeru
Planning for the annual NAAEE Conference begins 5 years out with the selection process for the conference location. If your state or province is interested in hosting a future NAAEE conference, please contact NAAEE Conference Manager, Bridget Chisholm. The next open bid is 2016 and the RFP will go out in February of 2011. A decision on location will be made by February of 2012.

The Executive Conference Committee (ECC) is formed a little over two years before the conference and begins meeting monthly. The ECC is comprised of the NAAEE President-elect, NAAEE Executive Director, NAAEE Conference Manager, the North American Conference Chair (appointed by NAAEE President-elect), and the Host State Conference Chair(s) (chosen by the local organizing team). The ECC is responsible for deciding the theme and strands and recruiting the strand leaders. The ECC is also responsible for organizing the plenary sessions.

About a year and a half out, the local logistical committees begin meeting monthly to work on events at the conference. The Host State Conference Chair(s) work to recruit chairs and members for the committees through their local network and by reaching out to NAAEE members across North America. NAAEE conference staff is an integral part of the committee work.

NAAEE wishes to thank all the volunteers for the time they spent working on this year’s conference, and we want to thank their employers and their families for loaning them to us!

The New York State Outdoor Education Association is an all volunteer organization and as such, we have relied on a large number of people who volunteered their time to make this conference happen. A huge thank you goes out to all of the folks who have worked together over the past two and half years to make this conference a reality. A huge thank you also goes to all of the NYSEOA board and committee members who have been involved in the process along the way. We could not have done it without you!

New York State Conference Chairs, MaryLynne Malone, Jessica Olenych, and Betsy Ukeritis
Please note: The NAAEE Office is located at the Hyatt Hotel in the Ellicott Room which is on the second floor of the hotel just above the mezzanine level. All payments are processed in the office as are on-site registrations. If you need to speak to someone in the NAAEE Office you may reach them during show week at: 716.855.4970.
<table>
<thead>
<tr>
<th>YEARS</th>
<th>CONFERENCE LOCATION</th>
<th>PRESIDENT</th>
</tr>
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<tbody>
<tr>
<td>1973-1974</td>
<td>St. Louis, MO</td>
<td>George R. Francis, University of Waterloo, Ontario, Canada</td>
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<tr>
<td>1975-1976</td>
<td>New Orleans, LA</td>
<td>Arden L. Pratt, Southern Illinois University-Carbondale, IL</td>
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<td>1976-1977</td>
<td>Atlanta, GA</td>
<td>Robert E. Roth, The Ohio State University, OH</td>
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<td>1977-1978</td>
<td>Estes Park, CO</td>
<td>James J. Gallagher, Michigan State University, MI</td>
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<td>1978-1979</td>
<td>Chicago, IL</td>
<td>Robert Marlett, Texas Tech University, TX</td>
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<td>1979-1980</td>
<td>Blacksburg, VA</td>
<td>John C. Miller, Minnesota Department of Education, MN</td>
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<td>1980-1981</td>
<td>Albuquerque, NM</td>
<td>Clay Schoenfeld, University of Wisconsin-Madison, WI</td>
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<td>1981-1982</td>
<td>Kentucky Dam Village SP, KY</td>
<td>Craig B. Davis, Iowa State University, IA</td>
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<td>1982-1983</td>
<td>Silver Bay, NY</td>
<td>Judith M. Schultz, University of Cincinnati, OH</td>
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<td>1983-1984</td>
<td>Ypsilanti, MI</td>
<td>William B. Stapp, The University of Michigan, MI</td>
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<td>1984-1985</td>
<td>Chevy Chase, MD</td>
<td>Arthur B. Sacks, University of Wisconsin-Madison, WI</td>
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<td>1985-1986</td>
<td>Eugene, OR</td>
<td>John F. Disinger, The Ohio State University, OH</td>
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<td>1986-1987</td>
<td>Quebec City, QB</td>
<td>William G. Berberet, Willamette University, Salem, OR</td>
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<td>1989</td>
<td>Estes Park, CO</td>
<td>Louis A. Iozzi, Cook College, Rutgers, NJ</td>
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<td>1990</td>
<td>San Antonio, TX</td>
<td>Richard J. Wilke, University of Wisconsin, WI</td>
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<td>1992</td>
<td>Toronto, ON, Canada</td>
<td>Lori Mann, Coyote Point Museum, Burlingame, CA</td>
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<td>1993</td>
<td>Big Sky, MT</td>
<td>John Baldwin, University of Oregon, Eugene, OR</td>
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<td>1994</td>
<td>Cancun, MX</td>
<td>Lynn Hodges, TVA, Knoxville, TN</td>
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<td>1995</td>
<td>Portland, ME</td>
<td>Kathy McGlauflin, PLT, Washington, DC</td>
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<td>1996</td>
<td>Burlingame, CA</td>
<td>Bora Simmons, Northern Illinois University, DeKalb, IL</td>
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<td>1997</td>
<td>Vancouver, BC, Canada</td>
<td>Peter Blaze Corcoran, Florida Gulf Coast University, Sanibel, FL</td>
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<tr>
<td>1998</td>
<td>Atlanta, GA</td>
<td>Paul Zeph, National Audubon Society, Des Moines, IA</td>
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<tr>
<td>1999</td>
<td>Cincinnati, OH</td>
<td>Judy Braus, World Wildlife Fund, Washington, DC</td>
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<tr>
<td>2000</td>
<td>South Padre Island, TX</td>
<td>David Wicks, Jefferson County Public Schools, Louisville, KY</td>
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<tr>
<td>2001</td>
<td>Little Rock, AR</td>
<td>Elaine Andrews, University of Wisconsin Extension, Madison WI</td>
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<td>2002</td>
<td>Boston, MA</td>
<td>Terry Wilson, Western Kentucky University, Bowling Green, KY</td>
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<td>2003</td>
<td>Anchorage, AK</td>
<td>Joe Heimlich, The Ohio State University, Columbus, OH</td>
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<td>2004</td>
<td>Biloxi, MS</td>
<td>Abigail Ruskey, National EE Advancement Project, UW-Stevens Point, WI</td>
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<td>2005</td>
<td>Albuquerque, NM</td>
<td>Joseph Baust, Murray State University, Murray, KY</td>
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<td>2006</td>
<td>St. Paul, MN</td>
<td>Martha Monroe, University of Florida, Gainesville, FL</td>
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<tr>
<td>2007</td>
<td>Virginia Beach, VA</td>
<td>Karen Hollweg, Consultant, Boulder, CO</td>
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<td>2008</td>
<td>Wichita, KS</td>
<td>Diane Cantrell, Education Consultant, Gahanna, OH</td>
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<td>2009</td>
<td>Portland, OR</td>
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<td>2010</td>
<td>Buffalo-Niagara, NY</td>
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<tr>
<td>2011</td>
<td>Raleigh-Durham, NC</td>
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<td>2012</td>
<td>Oakland, CA</td>
<td>Jose 'Pepe' Marcos-Iga, The Environmental Education Exchange, Tucson, AZ</td>
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<td>2013</td>
<td>T.B.D. Feb. 2011</td>
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LEAVE ONLY FOOTPRINTS

If you are willing to share your photos, please contact NAAEE Communications Manager Sue Bumpous during the conference at 202-531-9499 to arrange to download your shots or afterwards at sbumpous@naaee.org

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9 THREADS
- Arts
- Business and Industry
- Careers and Young Professionals
- Diversity
- Innovative Programs & Practices
- International
- NCLI
- Research and Evaluation
- Sustainability Education

CONFERME D KEYNOTE

JEAN BEASLEY
Director, Karen Beasley Sea Turtle Rescue & Rehabilitation Center, Topsail Island, NC

THURSDAY LUNCH PLENARY SESSION
on Climate Change, Oceans, and Society

PANELISTS:
DANNY HARVEY, University of Toronto
CARRIE THOMAS, North Carolina State University
FERNANDO TUDELA [invited], Vice Minister for Planning and Environmental Policy, Mexico
MODERATOR:
STAN RIGGS [invited], East Carolina University

6 STRANDS
- Conservation Education
- Climate Change
- Environmental Issues in EE
- EE Goes to School
- Environmental Justice
- Network and Leadership Development

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