e-News Updates from the PSIEE listserv!

News Highlights and Announcements (View all news)

**NETL Campus Visit: Call for Posters**
Penn State will be hosting research leaders from the National Energy Technology Laboratory (NETL) on April 2, 2010. PSIEE is soliciting abstracts for a poster exposition being held in conjunction with the visit. ([View Flyer](#) | [View Poster Submission Form](#))

**Internal Seed Grant Opportunity: Investigating the Human/Societal Impacts and Environmental Issues Related to Marcellus Shale Development**
The Social Science Research Institute (SSRI) and Penn State Institutes of Energy and the Environment (PSIEE), in conjunction with the Marcellus Initiative for Outreach and Research, are jointly supporting new research collaborations on the human/societal impacts and environmental issues related to the development of the Marcellus Shale.

**WUN Adapting to Climate Change Poster Session Deadline April 19, 2010**
Penn State and the Worldwide Universities Network (WUN) will hold a poster session in conjunction with the WUN global challenge workshop “Adapting to Climate Change.” Graduate students, postdoctoral scholars, and researchers at Penn State and other WUN institutions are invited to participate in this poster session on Sunday, May 23, 2010 tentatively scheduled for 6:00 - 8:00 p.m. at the Penn Stater Conference Center Hotel.

**Sustainability Summit Targets Student Involvement**
Those who have an interest in learning more about what their fellow Penn State students are doing to promote sustainability on campus are invited to attend PSU's first Student Sustainability Summit. ([View flyer](#))

**Penn State, Australian university announce collaborative projects**
In a joint announcement, Penn State and Australia’s University of New England unveiled an agreement to pursue collaborative research projects and research funding in the areas of water and environmental law, biofuels law and policy, and natural resource governance and to explore the potential for shared courses and exchanges of staff and students.

**DNA from rare polar bear fossil sheds light on species’ history: Ancient DNA from rare fossil reveals that polar Bears evolved recently and adapted quickly**
A rare, ancient polar bear fossil discovered in Norway in 2004 is yielding a treasure trove of essential information about the age and evolutionary origins of the species.

**Scientists Develop New Method for Tracking Seed Dispersal and Establishment**
A Penn State biologist and his collaborators have developed a new method for tracking seed movement and germination. According to Tomás Carlo, assistant professor of biology at Penn State and the leader of the study, the technique will be useful for studying plant dispersal and how plants adjust to global climate change.

**Tiny shelled creatures shed light on extinction and recovery**
An asteroid strike may not only account for the demise of ocean and land life 65 million years ago, but the fireball's path and the resulting dust, darkness and toxic metal contamination may explain the geographic unevenness of extinctions and recovery, according to Penn State geoscientists.
Paul Thompson speaker for M. E. John Lecture
Paul Thompson from Michigan State University will deliver the lecture “The Agrarian Vision: Sustainability and Environmental Ethics” on Friday March 19, 2010 at 3:30 p.m.

International Year of Biodiversity
Discovery Communications and the United Nations have announced a partnership to spread awareness of the United Nations global campaign to celebrate the International Year of Biodiversity (IYB). Throughout the year, Discovery will work closely with the Secretariat of the United Nations Convention on Biological Diversity (CBD) to increase the understanding of the vital role that biodiversity plays in sustaining life on Earth.

EPA Science Advisory Board Staff Office Request
Request for nominations of experts to augment the SAB Scientific and Technological Achievement Awards Committee are due March 29, 2010.

ES&T Video Contest
ES&T is sponsoring a video contest to coincide with the 40th Anniversary of Earth Day with the theme of “How Does Chemistry Help YOU Be Green?” The top 3 judged videos will receive cash awards. Deadline to enter is Tuesday, March 30, 2010.

EPA Faces of the Grassroots: Environmental Justice Video Contest
Videos can focus on any environmental justice activity, issue, or topic. Examples would be a music video about climate change, or a video recording a successful environmental justice project that has made a community a healthier and happier place to live. Awards will be given to the winning submissions in each category. The videos will also be featured on EPA’s Web site and may be used as public service announcements. Entries must be received by 11:59 p.m. EST on Thursday, April 8, 2010. EPA will announce winners in honor of the 40th anniversary of Earth Day.

Select Campus Events (View all calendar of events) | (View all 303 upcoming conferences)

March 15, 2010

- **Plant Biology Seminar**
  Matthew Kinkade, *"Identification, Verification, and Fine Mapping of lyc12.1: A New Gene that Increases Fruit Lycopene Content in Tomato"*
  12:10 p.m.; 108 Wartik Laboratory

- **Plant Pathology Seminar**
  Henry Ngugi, *"Refining fire blight management in the Eastern U.S."*
  3:30 p.m.; 112 Buckhout Laboratory

March 16, 2010

- **Distinguished Lectures in Life Science**
  Mina Bissell, Lawrence Berkeley National Laboratory, *"The Role of Microenvironment and Tissue Architecture in Tissue Specificity and Breast Cancer"*
  4:00 p.m.; 100 Life Sciences Building (Berg Auditorium)

March 17, 2010
- **Gamma Sigma Delta Research Expo**
  March 17-18; Forest Resources Building Lobby

- **Spring 2010 ESSC Brown Bag Series**
  Seth Baum, *"Climate economics since the Stern Review"*
  11:15 a.m. - 12:30 p.m.; 529 Walker Building

- **Distinguished Lectures in Life Science**
  Mina Bissell, Lawrence Berkeley National Laboratory, *"How Does Extracellular Matrix Signal to Direct Tissue-Specific Gene Expression?"*
  11:30 a.m.; 100 Life Sciences Building (Berg Auditorium)

- **Research Unplugged**
  *Music of the Emerald Isle*; Lisa Jenkins, Musicology, with a special performance by Callanish, a Celtic band
  Noon - 1:00 p.m.; Penn State Downtown Theatre Center on Allen Street

- **Meteorology Colloquia**
  Allison Steiner, University of Michigan, *"TBA"*
  3:30 p.m.; 112 Walker Building

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**March 18, 2010**

- **Manure Du Jour Webinar Series**
  Rick Stehouwer, Crop and Soil Science; Scott Van de Mark, PA Environmental Council, *"Surplus Nutrients to Deficit Regions: Manure Application in PA’s Acid Mine Lands and Trading Scenarios"*
  1:30 p.m.

- **Infectious Disease Dynamics Seminar**
  Keith Crandall, Brigham Young University, *Bioinformatic approaches to DNA sequence analysis: examples from natural history and infectious diseases*
  4:00 p.m.; 510 Mueller Laboratory

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**March 19, 2010**

- **Entomology Seminar**
  Eliana Gonzales-Vigil, Michigan State University, *"Identification and Characterization of Tomato Proteins Involved in Resistance to Insect Herbivores"*
  10:10 a.m.; 101 Agricultural Sciences and Industries Building

- **Crop and Soil Sciences Seminar**
  Claudia Rojas, M.S. Candidate, *"Fe-C redox cycling in the rhizosphere"*
  12:20 p.m.; 101 Ag Sciences and Industries Building

- **Agricultural Economics and Rural Sociology Seminar: M.E. John Lecture**
  Paul Thompson, Michigan State University, *"The Agrarian Vision: Sustainability and Environmental Ethics"*
  3:00 p.m.; 215 Armsby Building | View Flyer

- **Center for Environmental Kinetics Analysis**
  Camille Stephen, *"Title TBA"*
  2:30 p.m.; 117 EES Building

- **Geography Coffee Hour: E. Willard Miller Lecture**
  Paul Robbins, University of Arizona, *"Title TBA"*
  4:00 p.m.; 112 Walker Building

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**March 22, 2010**
Ecology Spring Seminar Series  
David Ehrenfeld, Rutgers University, "Successes and Failure in Species' Conservation"  
3:45 - 4:45 p.m.; 112 Chambers Building

Plant Pathology Seminar  
Meg McGrath, Cornell University, "Agricultural crisis of 2009 caused by the disease famous for the Irish potato famine"  
3:30 p.m.; 112 Buckhout Laboratory

March 24, 2010

Spring 2010 ESSC Brown Bag Series  
Wei Li, "A climatology of tropical anvil and its relationship to the large-scale circulation"  
11:15 a.m. - 12:30 p.m.; 529 Walker Building

Meteorology Colloquia  
Kerry Emanuel, MIT, "Tropical Cyclogenesis"  
3:30 p.m.; 112 Walker Building

Select Funding Announcements  
(View 55 recent announcements | View all open 242 funding announcements)

- Request for Information (RFI) Solar Demonstration Zone Project  
- Center for Rural Pennsylvania: 2011 Requests for Proposals  
- Environmental Research and Education Foundation Grants Program  
- Graduate Student Grant in Sustainable Agriculture  
- Terrestrial Carbon Cycle Research  
- Research in Innovative Approaches to Fusion Energy Sciences  
- Agile Delivery of Electrical Power Technology (ADEPT)  
- Industrial Technologies Program Superior Energy Performance Program Administrator  
- Building Energy Efficiency Through Innovative Thermodevices (BEETIT)  
- Gridscale Rampable Intermittently Dispatchable Storage (GRIDS)  
- Community Outreach and Assistance Partnership Program  
- AFRI: Carbon Cycle Science  
- Innovations in Engineering Education, Curriculum and Infrastructure  
- Undergraduate Research and Mentoring in the Biological Sciences  
- Ethics in Science, Mathematics, and Engineering Online Resource Center  
- Manufacturing Extension Partnership Availability of Funds for three regions including the identified counties in Central Pennsylvania  
- Fiscal Year 2010 Pollution Prevention Grant Program  
- A Centralized Protein Sequence and Function Resource  
- Atmospheric System Research  
- Antarctic Research  
- Climate Change Education: Climate Change Education Partnership Program, Phase I  
- Fostering Interdisciplinary Research on Education  
- Endangered Species Great Lakes Restoration Initiative Grant Program  
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Global Climate Change Education: Research Experiences, Modeling & Data (April 28)
Watershed Intern Program (September 30)
Strategic Partnering to Evaluate Cancer Signatures [SPECs II] (June 15)
Collaborative Research for Molecular and Genomic Studies of Behavior in Animal Models (July 5)
Recovery Act Limited Competition: The NIH Director’s ARRA Funded Pathfinder Award to Promote Diversity in the Scientific Workforce (May 4)
NIJ FY 10 Information and Geospatial Technologies Center of Excellence (April 19)
NIJ FY 2010 Using DNA Technology to Identify the Missing (April 19)
National STEM Education Distributed Learning (April 24)
Transforming Undergraduate Education in Science, Technology, Engineering and Mathematics (May 27)
Pesticide Registration Improvement Renewal Act Partnership Grants (April 19)
Fellowship/Scholarship Program (March 3, 2011)
Smith-Lever Special Needs Program (June 3)
ROSES: Cryospheric Science (April 30)
ROSES: Earth System Data Records Uncertainty Analysis (March 15)
ROSES: NPP Science Team for Climate Data Records (April 1)
ROSES: Ocean Salinity Science Team (August 30)
ROSES: Earth Science Applications Feasibility Studies: Public Health (May 28)
ROSES: Fellowships for Early Career Researchers (May 28)
ROSES: Modeling, Analysis, and Prediction (April 1)
ROSES: Opportunities in Education and Public Outreach for Earth and Space Sciences (April 2)
ROSES: Carbon Cycle Science (April 9)
ROSES: Terrestrial Hydrology (April 21)
ROSES: Physical Oceanography (April 30)
ROSES: Climate and Biological Response: Research and Applications (June 11)
ROSES: Ocean Biology and Biogeochemistry (June 11)
ROSES: NASA Energy and Water Cycle Study (July 1)
ROSES: Astrobiology: Exobiology and Evolutionary Biology (July 23)
ROSES: Atmospheric Composition: Modeling and Analysis (October 1)
ROSES: Earth Surface and Interior (August 2)
ROSES: Land Cover/Land Use Change (December 1)
NSF Graduate STEM Fellows in K-12 Education (April 20)
Pesticide Safety Program for Agricultural Workers and Farmworker Children (April 5)
SBE Doctoral Dissertation Research Improvement Grants (Various)

Special Funding Announcements
Leopold Leadership Fellowships Deadline is April 12, 2010
The Leopold Leadership Fellowships Program invites midcareer academic environmental scientists from North America (Canada, Mexico, and the United States) to apply. Applications are welcome from a broad range of disciplines including biological, physical, and social sciences and technical, medical, and engineering fields related to the environment. Program was established to provide academic environmental scientists and engineers with the skills and connections they need to become effective leaders and communicators of science to non-scientific audiences, especially policy makers, journalists, business leaders and citizens groups. They select up to 20 Fellows each year to participate in intensive training sessions that teach them leadership skills and techniques and how to communicate their science and its relevance to society in ways that various non-scientific audiences can understand.

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We welcome your input!
In order to make this listserv a useful tool for our subscribers, we appreciate your feedback! Please send your comments/suggestions to Patricia Craig at plc103@psu.edu or Betsy Grgurich at ebb14@psu.edu. Please use "listserv feedback" in the subject line. If you have information that you would like us to distribute please send that as well. Thanks!

Thank you for your continued interest in the Penn State Institutes of Energy and the Environment!

Best regards,
Patricia Craig