e-News Updates from the PSIEE listserv!

News Highlights and Announcements [(View all news)]

Chesapeake Bay: Request for Information
PSIEE is in the process of building a major web portal for Chesapeake Bay/Watershed research and information (stay tuned). Related to this, Penn State is currently a member of the Chesapeake Watershed Cooperative Ecosystem Studies Unit (CW CESU), a partnership among 12 university/research and 6 federal agency partners whose members strive to understand and protect the natural and cultural resources of the region. As a first step toward building our internal community of watershed researchers and practitioners, please consider registering for the CESU expert database, and identifying yourself to Patty Craig (PSIEE Communications Director, plc103@psu.edu) as interested in further communications about PSU Chesapeake Watershed projects and activities.

Landscape Architecture faculty lead service-learning project in Africa
An interdisciplinary program, developed by Brian Orland, professor of landscape architecture, and Larry Gorenflo, associate professor of landscape architecture, has taken students to the most remote parts of the Tanzania, where they are addressing issues of population growth versus environmental conservation.

Critical Zone Field School Offers Hands-on Lessons in Soils, Hydrology, Geology, Vegetation
Seventeen students from around the world are at Penn State for a two-week, hands-on investigation of the Critical Zone, the part of the Earth where rock meets life extending from groundwater to the top of vegetation.

Discovery of How Coral Reefs Adapt to Global Warming Could Aid Reef Restoration
Discoveries about tropical coral reefs are expected to be invaluable in efforts to restore the corals, which are succumbing to bleaching and other diseases at an unprecedented rate as ocean temperatures rise worldwide.

Penn State and Fayette County receive $4.1 M. toward energy efficiency
A $4.1 million federal grant awarded to Fayette County, Pa., will create and expand local energy efficiency programs in the community. The grant from the U.S. Department of Energy was made possible by application assistance from Penn State Outreach and Penn State Fayette, The Eberly Campus.
Conewago Watershed featured as one of USDA’s Showcase Watersheds
Penn State Conewago Creek Collaborative Conservation Initiative partner with USDA in Conewago Showcase Watershed.

NASA’s new 'Earth Venture' projects to include Penn State air quality component
NASA recently announced the funding of five new 'Earth Venture Mission' proposals. Meteorology faculty member Anne Thompson received a subcontract to operate the Nittany Atmospheric Trailer and Integrated Validation Experiment (NATIVE) facility to study air quality in four U.S. urban regions.

Environmental Law Professor Jamison Colburn on the BP Gulf oil spill
Professor Jamison Colburn worked as an enforcement litigator for the EPA prior to joining Penn State Law. Focusing his scholarship and teaching on environmental law and policy, he writes extensively about the protection of wildlife habitat and endangered species. He recently shared his thoughts on the BP Gulf oil spill.

GreenBioPharma 2010 Conference Special Rates
PSU faculty and 5 of their students can attend the GreenBioPharma 2010 Conference July 14 – 15 in Philadelphia for $195. This generous offer is courtesy of Genetic Engineering and Biotechnology News, one of the conference sponsors. Go to www.bioconferences.com/greenbiopharma. Register now at the $195 rate for Educators. Contact Ann Marie Daniel for more information at amd9@psu.edu.

Electricity Reduction Test Results
Penn State successfully completed the regional electricity load reduction test on June 24th.

Materials Research Laboratory Space Opportunity
Letters of intent from individual faculty and groups of faculty for occupancy in the Materials Research Laboratory (after the summer of 2011) due by August 2, 2010.

After Nearly 2 Decades, U.S. Fish and Wildlife Service Launches Scientific Journals
The U.S. Fish and Wildlife Service today announced the release of the inaugural issue of the public domain Journal of Fish and Wildlife Management (JFWM) and the re-launch of the prestigious North American Fauna (NAF).

Second International Congress on Sustainability Science and Engineering
Conference will be held January 9-13, 2011 in Tucson, Arizona.
New courses for Fall 2010

**GEOG 497A - Geography of the Cryosphere**
Course explores patterns and processes of Earth's cryosphere, as well as human-environment interactions with the cryosphere and methods of assessing environmental change in cold areas.

**GEOG 497E - Climate Change Adaptation and Resilience**
This 3-credit course explores adaptation and resilience with emphasis on learning and experimentation, directions of social change, system transformation, and sustainability.

**Geog 503/510 - Hydrological and Water Resource Impacts of Climate Change**
Schedule change: Now scheduled to meet Thursdays from 1:30-4:30 in 319 Walker Building.

**PNG 597a: Reactive Transport Processes in Subsurface**
This class will cover basic principles of reactive transport modeling for subsurface systems.

**STS 230 - American Food System: History, Technology, and Culture**
Course examines the evolution of U.S. agricultural production and food consumption patterns.

Select Campus Events ([View all calendar of events] | [View all 223 upcoming conferences])

**June 30, 2010**

*Manure Du Jour Webinar*
Peter Landschoot, "Nutrients and Turf: Essential or Expendable?"
1:30-2:30 p.m.

**July 7, 2010**

Amanda Kennedy, University of New England, Australia, "Improving the effectiveness of environmental regulation with community-based social marketing"
2:30 p.m.; 215 Armsby Building

Select Funding Opportunities ([View 38 recent announcements] | [View all open 230 funding announcements])

- [NIDA Core Center of Excellence Grant Program](#) (October 27)
- [Facilitating Tribal Climate Change Adaptation Planning and Communicating Climate Change Impacts](#) (July 30)
- Potomac Highlands Implementation Grant (July 30)
- Outstanding New Environmental Scientist Award (ONES) (October 29)
- USFWS/NCTC: Evaluation Plan and Implementation for the Youth in Natural Resource Careers Initiative (July 30)
- Paleo Perspectives on Climate Change (October 18)
- Pesticide Environmental Stewardship Program Regional Grants (July 26)
- Innovation for Increasing CyberSecurity for Energy Delivery Systems (July 12)
- ROSES: Astrobiology: Exobiology and Evolutionary Biology (September 24)
- ROSES: Science Definition Team for the CLARREO Mission (July 1)
- ROSES: Climate and Biological Response: Research and Applications (July 20)
- U.S. Nuclear Regulatory Commission Funding Opportunity Announcement, Scholarship and Fellowship Education Grant (August 27)
- Pesticides and National Strategies for Healthcare Providers, Clinical Training Program; Request for Applications (July 26)
- Ocean Bottom Seismic Instrument Pools (OBSIP) Management Office (December 1)
- Unconventional Fossil Energy Funding Opportunity Announcement (July 29)
- Upgrading of Biomass Fast Pyrolysis Oil (Bio-oil) (July 9)
- U.S. Nuclear Regulatory Commission Funding Opportunity Announcement, Faculty Development Grant, Fiscal Year 2011 (August 27)
- Science, Technology, Engineering, and Mathematics Talent Expansion Program Centers (August 4)
- Materials Research Centers and Teams (September 1)
- U.S. Nuclear Regulatory Commission Funding Opportunity Announcement, Nuclear Education Curricula Development Grant, Fiscal Year 2011 (October 1)
- Enhancing Short Term Wind Energy Forecasting for Improved Utility Operations (July 13)
- Grants for Laboratory Animal Science (February 1, 2011)
- Air Force Young Investigator Research Program (July 28)
- Alex C. Walker Foundation Grants (October 1)
- AAG Dissertation Research Grants (December 31)
- Research Scholar Grants in Basic, Preclinical, Clinical and Epidemiology Research (October 15)
- American Honda Foundation (August 1)
- Theodore Roosevelt Memorial Grants (February 15)
- Drinking Water Pump Station Design and Operation for Energy Efficiency (July 26)
- Update and Expand Residential End Uses of Water (July 26)
- An Operational Definition Of Biostability In Drinking Water (July 26)
- Performance Benchmarking for Effectively Managed Water Utilities (July 26)
- High Performing Information Systems Aligned with Utility Business Strategy (July 26)
Non-Intrusive Methodology For Assessing Lead And Copper Corrosion (July 26)
Perfluorinated Compound Removal By North American Water Treatment Practices (July 26)
Consumer Perceptions And Attitudes Towards EDCs And PPCPs In Drinking Water (July 26)
Water Quality Impacts Of Extreme Weather Events (July 26)
Binational Agricultural Research and Development Fund (BARD): Senior Research Fellowships (September 14)

Special Funding Announcements (Add text)

Graduate Funding Opportunity: STEM Applicants Sought for NSF GK-12 Program Grant
The Penn State CarbonEARTH (Carbon Educators and Researchers Together for Humanity) Team seeks qualified science, technology, engineering, and mathematics (STEM) graduate students whose research involves carbon for several new 1-year $30,000 National Science Foundation (NSF) GK-12 Fellowships to start Fall Semester 2010.

Gulf Oil Spill Targeted Funding
NSF Dear Colleague Letter for Social, Behavioral, and Economic Research Related to the Gulf Oil Spill and Other Disasters
Dear Colleague Letter: Rapid Response Research Grants Available for Gulf of Mexico Oil Spill Research
Deepwater Horizon Response Call for Whitepapers

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We welcome your input!
In order to make this listserv useful 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