e-news updates from the PSIEE listserv!
Can also view as pdf online at: http://www.psiie.psu.edu/news/listservMessages.asp

Social Media
For timely updates on energy and environmentally-related news and announcements, we invite you to

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Penn State News, Highlights, and Announcements

- SAVE THE DATES!
  Want to win grants and change the world? Learn how to distinguish your proposals with outstanding “broader
  impacts” Come to our Fall 2013 Research/Outreach Dialogue Series.

- Free Arboretum event to celebrate Pennsylvania’s forests
  Pennsylvania Forest Fest, a free public event celebrating the state's vast forestlands, will take place from 10 a.m.
  to 3 p.m. Sunday, Sept. 15, in and around the H.O. Smith Botanic Gardens, part of The Arboretum at Penn State,
  on the corner of Bigler Road and Park Avenue.

- EMS Energy Institute Energy Exchange Seminar series kicks off fall 2013 schedule
  Tom Richard, director, Penn State Institutes of Energy and the Environment, will give a talk titled "Diet, Land Use
  and the Biofuel Nexus." The seminar will discuss the role of diet on land requirements for food production. Results
  from this study suggest a potentially large reduction in food-land requirements for the U.S. that could translate into
  a large biofuel supply.

- Enrique Gomez: Chemical engineers' research may lead to inexpensive, flexible solar cells
  Work by a research team at Penn State and Rice University could lead to the development of flexible solar cells.
  The engineers' technique centers on control of the nanostructure and morphology to create organic solar cells
  made of block polymers.

- Thomas Mallouk selected as Fellow of the American Chemical Society
  Thomas Mallouk, Evan Pugh Professor of Chemistry, Physics, and Biochemistry and Molecular Biology at Penn
  State, has been selected as a Fellow of the American Chemical Society (ACS). ACS Fellows are nominated by
  their peers and selected for their outstanding achievements in and contributions to the sciences and the
  profession, and for providing excellent volunteer service to the ACS community.

- Ken Davis: Researchers study how to accurately measure a city’s greenhouse gas emissions
  A team of researchers from Penn State’s College of Earth and Mineral Sciences and several other universities
  has been testing a method to quantify greenhouse gas emissions levels.
Penn State debuts online renewable energy and sustainability systems degree
Penn State, which is ranked first among universities engaged in alternative energy research by Elsevier Publishing, is bringing together faculty from multiple academic units to help train renewable energy leaders and will launch an online master’s degree in renewable energy and sustainability systems starting this fall.

Jonathan Lynch: Ground-Breaking Roots
The U.N. estimates that one in every seven people around the world is hungry. Jonathan Lynch and the Roots Lab use information technology to get to the root of this problem.

World Campus now offering geodesign course
Penn State’s World Campus will offer GEODZ 511 (Geodesign History, Theory and Principles), an eight-week course open to anyone, beginning Aug. 19 through the University’s new Graduate Certificate in Geodesign for individuals interested in further study for additional credentials.

Ken Davis: ‘Sensing Change’ in the climate brings together science and art
Ken Davis is one of eight scientists featured in “Sensing Change,” a project by the Chemical Heritage Foundation’s Center for Contemporary History and Policy that brings art and science together in exhibits and oral histories focused on seeing changes in surrounding environments.

Postdoctoral Research Exhibition set for Sept. 12
Research conducted by postdoctoral scholars from across Penn State will be showcased at the annual Postdoctoral Research Exhibition from 1 to 5 p.m. Thursday, Sept. 12, in the Ballroom at the Nittany Lion Inn.

The Global Energy Essay Contest provides an exciting opportunity for college and university students around the world to engage in critical thinking and present their ideas and solutions to tackle the key energy issues that humanity faces today.

Need a course for fall 2013?
- RPTM 497A: Social & Environmental Sustainability: Applications in the Tourism Industry
- GEOG 597B: Energy Geography: Graduate Seminar in Energy Policy and Energy Transitions: Geographical Perspectives
- ABE 884: Biomass Energy Systems (online graduate course)

Featured Events Calendar

August 28, 2013

- Water Resources Extension Webinar Series
  Charles Abdalla and Renata Rimsaite, Penn State and Alan Collins, West Virginia University, "The Use and Value of Water for Marcellus Shale Gas Development"
  Noon - 1:00 p.m.
- Center for Systems Genomics Seminar Series
  William Steward, Ohio State University, "Increasing the power of association studies with affected families"
September 3, 2013

- Geosciences Colloquium
  Joseph Ryan, McGill University, "Title TBD"
  4:00 p.m.; 22 Deike Building

September 4, 2013

- EMS Energy Institute Energy Exchange Seminar Series
  Tom Richard, "Diet, Land Use, and the Biofuel Nexus"
  10-11:00 a.m.; C213 Coal Utilization Lab
- Water Resources Extension Webinar Series
  Elizabeth Boyer, "Atmospheric Deposition in Pennsylvania: Impacts on Watersheds"
  Noon - 1:00 p.m.

September 5, 2013

- Research Outreach Dialogue Series
  Kick-off Workshop (hosted by Center for Science and the Schools)
  11:00 a.m. - 1:30 p.m.; 309 Sackett Building
- Forum Speaker Series
  Majora Carter, "Home(town) Security"
  11:30 a.m. - 1:00 p.m.; Penn Stater Conference Center Hotel
  Tickets are $19.00 and include buffet lunch

September 9, 2013

- APMS 2013 International Conference: Advances in Production Management Systems - Sustainable Production and Service Supply Chains
  Penn Stater Hotel and Conference Center

September 10, 2013

- APMS 2013 International Conference: Advances in Production Management Systems - Sustainable Production and Service Supply Chains
  Penn Stater Hotel and Conference Center
- NEWBio Webinar Series
  Andre Boehman, University of Michigan, "Is Ethanol Ruining My Engine?"
  1:00 - 2:00 p.m.
- **Biology Seminar**  
  Mark C. Urban, University of Connecticut, *"Can We Predict Biotic Responses to Climate Change?"*  
  4:00 p.m.; 8 Mueller Lab

- **Geosciences Colloquium**  
  Kyle Straub, Tulane University, *"Process controls on stratigraphic completeness and basin filling sedimentation patterns"*  
  4:00 p.m.; 22 Deike Building

**September 11, 2013**

- **APMS 2013 International Conference: Advances in Production Management Systems - Sustainable Production and Service Supply Chains**  
  Penn Stater Hotel and Conference Center

- **ESSC Brown Bag Series**  
  Martin Tingley, *"Title TBA"*  
  11:15 a.m. - 12:30 p.m.; 529 Walker Building

**Featured Conferences/Short Courses/Symposia Information**

- **SSSA Ecosystem Services Conference Abstracts due Dec. 1, 2013**  
  Conference theme is “Soil’s Role in Restoring Ecosystem Services” and will be held March 6-9, 2014 in Sacramento, CA.

- **2014 Evapotranspiration: Challenges in Measurement and Modeling from Leaf to the Landscape Scale and Beyond Abstracts due Oct. 15, 2013**  
  Conference will be held April 7-11, 2014 in Raleigh, North Carolina.

- **105th AOCS Annual Meeting and Expo Abstracts due Oct. 21, 2013**  
  Conference will be held May 4-7, 2014 in San Antonio, TX.

- **2013 Penn State Natural Gas Utilization Conference**  
  Conference will be held September 10-11, 2013 in Pittsburgh PA.

- **2013 ACEEE National Conference on Energy Efficiency as a Resource**  
  Conference will be held September 22-26, 2013 in Pirenopolis, Brazil.

- **View all 180 upcoming conferences**

**Select Employment Opportunities**

PSIEE maintains a list of resources to help you with your job search. Please visit  
[http://www.psiee.psu.edu/for_students/career_planning.asp](http://www.psiee.psu.edu/for_students/career_planning.asp) online. View select opportunities below.

- **University of Alabama – Assistant Professor: Computational Biology** (12/1)
- **University of Alabama – Assistant Professor: Microbiology/Microbial Biology** (12/1)
- **Santa Fe Institute: Cowan Chair in Human Social Dynamics** (11/1)
- **DOE: Petroleum Engineer** (9/2)
• Bureau of Ocean Energy Management: Petroleum Engineer (12/31)
• Smith College – Assistant Professor: Environmental Science and Policy (11/1)
• Stony Brook University: Chair, Department of Ecology and Evolution (9/30)
• Virginia Institute of Marine Science: Director of the Eastern Shore Laboratory
• Washington DNR: Aquatic Reserves Program Specialist - Env. Planner 3
• Bureau of Safety and Environmental Enforcement: Interdisciplinary Environmental Scientist/Physical Scientist (9/6)
• Bureau of Safety and Environmental Enforcement: Environmental Engineer (9/6)

Special Funding Announcements

• Internal call for Notice-of-Intent NIH Director's Early Independence Award (EIA) Program
The NIH Director’s Early Independence program may be of special interest to PhD, MD/PhD students and residents who are about to complete their terminal degree/clinical residency. Each institution may submit no more than TWO applications. Anyone interested in submitting an application must complete the online notice-of-intent by September 18, 2013.

• Ralph E. Powe Junior Faculty Enhancement Awards Oak Ridge Associated Universities (ORAU)
The Ralph E. Powe Junior Faculty Enhancement Awards program is limited to two nominations by each of the ORAU member institution each year; therefore, a downselect is required. The research projects must be in one of the following five disciplines: 1. Engineering and Applied Sciences, 2. Life Sciences, 3. Mathematics/Computer Sciences, 4. Physical Sciences 5. Policy, Management or Education. If you have viable nominees, please email the following materials (contained within ONE pdf file) to limitedsubs@psu.edu by Friday, October 18th.

• Worldwide Universities Network (WUN): Research and Development Fund 2013-2014
Penn State is permitted to be the lead on three proposals, and therefore, we are conducting a downselect to determine the three most appropriate proposals to send forward. If a faculty team in your college/unit plans to submit a PSU-led proposal for the internal downselect, please ask them to contact Penn State’s WUN Coordinator, Coleen Hynoski, at cah54@psu.edu by September 15, 2013.

Select recent funding opportunities (View all 39 recently added announcements)

• Center of Excellence: Nature-Inspired Sciences (10/15)
• FY2014 Demonstration of a U.S. Marine Biodiversity Observation Network (12/2)
• Socio-environmental Synthesis Research on Biodiversity and Ecosystem Services (10/9)
• Office of Naval Research Young Investigator Program (1/3)
• Data-Intensive Research to Improve Teaching and Learning - An Ideas Lab to Foster Transformative Approaches to Teaching and Learning (12/9)
• Select Topics in Power Generation and Energy Storage (11/20)
• Host/ Gut Microbiota Response to Stressors: Informing Resiliency (11/21)
• Climate Program Office FY 2014 (9 separate competitions (11/14)
• Developing New and Evaluating Existing Source Sector-based Best Management Practices Efficiencies (9/19)
• National Land Remote Sensing Education Outreach and Research Activity (9/12)
• Biomedical Engineering (10/29)
• FY2014 Multidisciplinary University Research Initiative (MURI) (12/16)
• Moldova Partnerships for Sustainable Civil Society project (10/15)
• National Pesticide Information Center (9/30)
• AAUW American Fellowships (11/15)
• Research Scholar Grants in Basic, Preclinical, Clinical and Epidemiology Research (10/15)
• 2014 Ford Fellowships (11/15 and 11/20)

(View all 261 funding announcements)

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. Please use “PSIEE listserv” 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

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New Material
Request for Information (RFI): Manufacturing Renewable Carbon Fibers (9/6)
http://www.grants.gov/web/grants/view-opportunity.html?oppId=240279