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News Highlights and Announcements [View all news]

**Murphy Winner 2010 DEP Environmental Excellence Award**
Tom Murphy, extension education in Lycoming County and co-director of the Marcellus Initiative for Research and Outreach, was one of 16 Pennsylvania individuals, organizations and businesses honored by the Pennsylvania Department of Environmental Protection for outstanding efforts to protect and restore watersheds, reduce pollution and conserve energy, educate the public on environmental issues and revitalize communities.

Excerpt from DEP press release: “Early in the development of the Marcellus Shale natural gas play, Tom Murphy and the extension recognized the potential issues and concerns, and began offering meetings with landowners and others to advise them about leasing issues, drilling procedures and how to test their wells before drilling. The extension also helped local governments get training on road bonding. Dozens of meetings were held throughout the counties in north-central Pennsylvania, at no cost, to present the facts on both sides of the drilling and environmental issues.”

**Xie Awarded Fulbright Research Chair**
Yuefeng Xie, Professor of Environmental Engineering and co-founder of the Small Public Water Systems Technology Assistance Center in Capital College has been selected to receive a Fulbright award. He plans to spend the coming fall semester as Fulbright Visiting Research Chair at University of Lethbridge in Alberta, Canada, to investigate the effect of climate change on small water systems.

**Penn State Beyond Coal Forum: Penn State Energy Future Forum TODAY**
PSBC is sponsoring an energy forum this week to discuss the University's planned upgrade of the West Campus Steam Plant and Penn State's overall energy plans. They are inviting the Penn State community to participate in this forum that will give them the opportunity to speak with some of the university's key decision-makers and experts. The forum will be held this Wednesday, April 21st, at 5:00 PM in room 026 Hosler.

**Bracken Lecture this Thursday**
Landscape architect Carol Mayer-Reed will give a free public lecture, "Rivers and Rain Gardens," at 6:00 p.m. on Thursday, April 22, in 101 Chambers Building, on the Penn State University Park campus. Mayer-Reed is the fourth and final speaker this year in the Department of Landscape Architecture's Bracken Lecture Series. Mayer-Reed is partner-in-charge of landscape architecture and urban design at Mayer/Reed. The Portland-based firm is recognized regionally and nationally for design excellence and innovative sustainable design solutions.

**Faculty team awarded $2.85 million NSF grant for K-12 education**
The National Science Foundation has awarded a $2.85 million grant to a team of Penn State faculty for a carbon research/science education collaboration with two Pennsylvania school districts.

**Visualization of geographic patterns may predict spread of disease**
Disease statistics buried within patient records or detailed in newspaper clippings can be sorted and organized to depict geographic patterns, allowing the discovery of trends that were previously overlooked, according to a Penn State geographer.

**Penn State pond guru says get your water tested**
Bryan Swistock is sort of the Dr. Phil for pond owners -- they call him when they are having problems. And this time of year, he has a lot of patients.
PennFuture’s 2010 Annual Clean Energy Conference: REBUILDING OUR ECONOMY AND CREATING JOBS - A decade of progress for clean energy
Come hear how new policies and technologies will help rebuild our economy and create jobs and position Pennsylvania as a leader in the clean energy market for the next ten years. Thursday, June 3, 2010 from 7:30 a.m. to 4:30 p.m.; Radisson Penn Harris Hotel and Convention Center, Camp Hill.

Abstracts Due May 5, 2010 for Molecular Biology Symposium
The 29th Summer Symposium in Molecular biology “Frontiers in Metallobiochemistry” is scheduled for June 2-5, 2010 on the University Park campus. Topics include: (1) Cofactor Biogenesis and Metal Trafficking; (2) Second-Sphere Tuning of Metallocofactor Reactivity; (3) O2 and C-H Activation at Mononuclear Metal Centers; (4) O2 and C-H Activation at Dinuclear Metal Centers; (5) Complex Cofactors and Reaction Mechanisms; (6) Metals in Medicine; and (7) The Promise of Metallobiochemistry for Society.

Select Funding Opportunities (View 38 recent announcements | View all open 242 funding announcements)

Special Funding Announcements

Pre-solicitation: Broad Agency Announcement (BAA) # M10PS00204 for Proposed Research on Safety: Program on Safety of Renewable Energy Operations in the US Outer Continental Shelf
White Papers Requested; Due May 14, 2010.

Stripper Well Consortium Request for Proposals Released
The Request for Proposals for 2010 has been released. Proposals are solicited from the SWC Full and Supporting Members in the following focus areas: (1) Reservoir remediation, characterization, and operations; (2) Well-bore clean-up; (3) Surface and collection optimization; and (4) Environmental/Energy Efficiency. The period of performance will be September 1, 2010 to August 31, 2011. All proposals must be received by 4:00EST on June 3, 2010. All proposals received will be heard at the 2010 Summer Meeting in Canadigua, New York on June 23-24, 2010.

Select Campus Events (View all calendar of events) | (View all 272 upcoming conferences)

April 22, 2010

• Agricultural and Biological Engineering Seminar
  Graduate Student Presentations; 224 Agricultural Engineering Building
  1:05 p.m.; "Manure application under winter conditions"
  1:25 p.m.; Mike McKay - "Rock vane induced scour in central Pennsylvania streams"
  1:45 p.m.; Rosa Jarvis - "Modeling and measuring hydrogen sulfide emissions from dairy farms"
  2:05 p.m.; Manolya E. Oner, "Refrigerated potato strips production"

• W. John and Gail M. Hussey Commemorative Lecture in Meteorology
  Rear Admiral David W. Tiltyte, “Climate Change and the U.S. Navy”
  1:25 - 2:30 p.m.; 112 Walker Building

• Manure Du Jour Webinar Series
  TBA
  1:30 p.m.

• Ecology Spring Seminar Series
  Rick Relyea, University of Pittsburgh, "The Impacts of Pesticides on Aquatic Communities;"
### April 23, 2010

- **Dairy and Animal Science Seminar**
  - Ann Swinker, "TBA"
  - 11:00 a.m.; 324 Agricultural Sciences and Industries Building

- **Entomology Seminar**
  - Fred Gould, NC State, "Genetic Pest Management for disease vectors and Ag. pests"
  - 10:10 a.m.; 101 Agricultural Sciences and Industries Building

- **Crop and Soil Sciences Seminar**
  - Danielle Andrews, Ph. D. Candidate, "Carbon dynamics within the Shale Hills Critical Zone Observatory"
  - 12:20 p.m.; 101 Ag Sciences and Industries Building

### April 26, 2010

- **Plant Biology Seminar**
  - Dihong Lu, "Hunting for Substrates of ASK1-Containing E3 Ubiquitin Ligases by Proteomics"
  - 12:10 p.m.; 108 Wartik Laboratory

- **Ecology Spring Seminar Series**
  - Nancy Knowlton, U.C. San Diego, "Coral Reefs - Past, Present and Future"
  - 3:45 - 4:45 p.m.; 112 Chambers Building

### April 28, 2010

- **Meteorology Colloquia**
  - Alan Betts, Vermont Academy of Science and Engineering, "Land-Surface-Atmosphere Coupling in Observations and Models"
  - 3:30 p.m.; 112 Walker Building

### April 29, 2010

- **Chemical Engineering Seminar**
  - David Sholl, Georgia Institute of Technology, "Accelerating development of membranes using materials modeling: metal alloys and metal organic frameworks"
  - 10:00 a.m.; 102 Chemistry Building

- **Agricultural and Biological Engineering Seminar**
  - Wayne Martinis, "TBA"
  - 1:25-2:25 p.m.; 224 Agricultural Engineering Building

- **Manure Du Jour Webinar Series**
  - Ann Swinker, Dairy and Animal Sciences; Donna Foulk, Northampton County Extension (invited); Jana Malot, NRCS (invited), "BMPs and Environmental Stewardship on Equine Operation"
  - 1:30 p.m.
April 30, 2010

Infectious Disease Dynamics Seminar
Troy Day, Queens University, "TBA"
4:00 p.m.; 510 Mueller Laboratory

Dairy and Animal Science Seminar
Lumin Kung, University of Delaware, "TBA"
11:00 a.m.; 324 Agricultural Sciences and Industries Building

Crop and Soil Sciences Seminar
Young Dong Noh, Ph. D. Candidate, "Cation exchange properties of Na-micas and Na-
titanosilicate exchangers"
12:20 p.m.; 101 Ag Sciences and Industries Building

Geography Coffee Hour
Donald Kunze, "Title TBA"
4:00 p.m.; 112 Walker Building

2010 G. Albert Shoemaker Lecture in Mineral Engineering
Frederick D. Palmer Peabody Energy, "Unlocking Coal’s Potential for World Energy
Solutions"
4:00 p.m.; 22 Deike Building

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

Best regards,
Patricia Craig