

**SFI weekly newsletter for the week of February 25, 2009**  
**A weekly service of SFI**

**A web version of this newsletter with details of these headlines will soon be available at [www.sfi.mtu.edu](http://www.sfi.mtu.edu)**

**SFI NEWS AND ANNOUNCEMENTS**

1. Society of Manufacturing Engineers Honors SFI Director John Sutherland
2. SFI Deputy Director David Shonnard and CWS Director talk to Alumni
3. CWS presents World Water Day Poster Competition - Monday, March 23, 2009

**SUSTAINABILITY NEWS**

1. Energy for Sustainable Development Online Course, Lund, Sweden
2. Dow Chemical Co. backs efficiency drive, not taxes, to cut carbon emissions
3. Research agencies get money for “beaker-ready” proposals from universities
4. The March National Geographic features story about household energy conservation

**SEMINARS**

1. SFI Graduate Colloquium in Sustainability 12pm Friday, March 6th, 208 ME-EM
2. RSI Seminar: A New Model System Aimed to Simulate Interdisciplinary Multi-Scale Oceanic Processes: A Tool for Great Lakes Ecosystem Studies by Changsheng Chen 4pm Monday March 3, M&M U113
3. Ground Truthing Sustainable Development, Colloquium III Monday, March 2, 2009

**FUNDING & AWARD OPPORTUNITIES**

1. Conservation Innovation Grants (CIG), USDA, and Natural Resources Conservation Service (NRCS)  
<http://fundingopps.cos.com/alerts/117670>
2. Environmental Security Tech. Certification Program (ESTCP) & DOD <http://fundingopps.cos.com/alerts/90091>
3. Rutherford Medal Royal Society of New Zealand (RSNZ) <http://fundingopps.cos.com/alerts/66221>
4. DOE/NREL <http://tinyurl.com/d7jvh5>
5. NSF Virtual Organizations as Sociotechnical Systems <http://www.nsf.gov/pubs/2009/nsf09540/nsf09540.htm>
6. NSF Science of Science & Innovation Policy [http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=501084](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501084)
7. DoD ERDC BAA - Ecological Modeling (EL-30) <http://www.mvk.usace.army.mil/contract/other.asp>
8. DoD ERDC BAA – Indust. Process Optimization (CERL-6) <http://www.mvk.usace.army.mil/contract/other.asp>
9. DoD ERDC BAA – Construction Materials Made From Recycled Wastes (CERL-11)  
<http://www.mvk.usace.army.mil/contract/other.asp>
10. Transportation Electrification <http://fundingopps.cos.com/alerts/117663>
11. Automotive Battery Manufacturing Initiative <http://fundingopps.cos.com/alerts/117664>
12. Microsystems Technology Office-Wide BAA <http://fundingopps.cos.com/alerts/117645>
13. Manufacturing Engineering Lab. (MEL) Grants Program (FY 2009) <http://fundingopps.cos.com/alerts/67552>
14. Enabling Technologies for High-Hydrogen Fueled Turbines: University Turbine Systems Research (UTSR) FY09  
<http://fundingopps.cos.com/alerts/117681>
15. Request for UTC-MISTI Summer Scholar Project Proposals 2009

**JOBS & POST DOCS**

1. Director, Office of Sustainability, U Florida  
<https://jobs.ufl.edu/applicants/jsp/shared/frameset/frameset.jsp?time=1235581692315>
2. Director, Pollution Prevention Inst, Rochester Inst of Technology  
<http://www.higheredjobs.com/search/details.cfm?JobCode=175361344>
3. Director, Center for the Environment, Mount Holyoke College  
<http://chronicle.com/jobs/id.php?id=0000593020-01&pg=s&cc=>
4. Visiting Professor, Environmental Studies, Williams College  
<http://www.higheredjobs.com/search/details.cfm?JobCode=175360883>
5. Lecturer, Environmental Policy, U Southern California  
<http://chronicle.com/jobs/id.php?id=0000591725-01&pg=s&cc=>
6. Spring Sustainability Internships, Sustainable Endowments Institute <http://www.endowmentinstitute.org/>

**NEW RESOURCES**

1. World Watch Magazine – Free Online Access for Professors & Students

**EVENTS & CONFERENCES**

1. Experiential Education & Sustainability – Faculty Workshop in Thailand <http://www.isdsi.org/workshop.html>
2. 2009 Lean/Green Summit for Compliance & Innovation June 8-9 Savannah, GA  
<http://www.leanandgreensummit.com/>
3. 2009 2nd Annual Michigan Energy Conference April 16-17 Ferris State University, Big Rapids MI  
[www.ferris.edu/mec](http://www.ferris.edu/mec)
4. The Sixth Annual Byron Fellowship Program will take place May 17-22, 2009 at Turkey Run State Park.  
<http://www.byronfellowship.org> [info@byronfellowship.org](mailto:info@byronfellowship.org)
5. Become a Carbon Zero Hero Webinar March 11, 2009; 2 – 3 pm Eastern  
<http://www.endowmentinstitute.org/>
6. AASHE Sustainability Across the Curriculum Leadership Workshop June 11-12, 2009; San Diego State U  
<http://www.aashe.org/profdev/curriculum.php>
7. CFP: Greening of the Campus VIII: Embracing Change <http://www.bsu.edu/greening/callforpapers/>

*The weekly newsletters are now posted at our Website (<http://www.sfi.mtu.edu/>). In an effort to increase recognition and enhance SFI's image, we want to include more publicity about SFI member achievements. Please send announcements of your publications, presentations, awards, and names of awarded proposals to Denise Heikinen at [dmheikin@mtu.edu](mailto:dmheikin@mtu.edu), or call (906)487-0044.*

#### **SFI NEWS AND ANNOUNCEMENTS**

##### **1. Society of Manufacturing Engineers Honors SFI Director John Sutherland**

The Society of Manufacturing Engineers has named John W. Sutherland the winner of its 2009 International Honor Award for education. Sutherland is the Henes Chair Professor of Mechanical Engineering and SFI director.

Sutherland was honored for his pioneering curricular contributions to manufacturing, for fostering sound training methods and for inspiring students to enter the manufacturing profession. Sutherland's career spans more than 25 years. Most of his accomplishments have been as an engineering educator at Michigan Tech, where he established innovative sustainability courses in environmentally responsible design and manufacturing.

Since 1955, the International Honor Awards have recognized significant contributions to the field of manufacturing engineering in such areas as manufacturing technologies, technical writing, education, research, management and service to the society.

##### **2. SFI Deputy Director David Shonnard and CWS Director talk to Alumni**

SFI Deputy Director David Shonnard (Chemical Engineering) was the featured speaker at two Tech Connect events in Florida this week. Shonnard spoke with alumni and friends about the Wood-to-Wheels research project. He is the Richard and Bonnie Robbins Chair in Sustainable Materials and the deputy director of the Sustainable Futures Institute. The Tech Connect events are a new initiative of Alumni Relations and the Development Office to inform alumni of Michigan Tech's leading-edge research.

Earlier this year, Professor Alex Mayer (CEE), director of the Michigan Tech Center for Water and Society, spoke to alumni in Scottsdale and Tucson, Ariz., about the impact of human activities on water availability and quality in the Great Lakes region.

##### **3. CWS presents World Water Day Poster Competition - Monday, March 23, 2009**

Register your poster with Carol Asiala ([mtcws@mtu.edu](mailto:mtcws@mtu.edu) or [cjasiala@mtu.edu](mailto:cjasiala@mtu.edu))

Registration form is at: <http://www.mtcws.mtu.edu/education.html> Note change in Judging times - new times are (12:00-1:00 pm) and (4:00-5:00 pm). Posters prepared and presented at other conferences are welcome in this competition.

Enter your poster into one of the two Award Categories: Original Research Poster (presentation of thesis or project research). Coursework/Informational Poster (presentation of coursework or literature based research)

## SUSTAINABILITY NEWS

### 1. Energy for Sustainable Development Online Course, Lund, Sweden

The International Institute for Industrial Environmental Economics (IIIEE) at Lund University, Sweden, is delivering a new session of an online course in the field of Energy for Sustainable Development (E4SD). The central aim is to provide deeper knowledge of energy's relationship to sustainable development in the developing world. The next course session is scheduled from 20 April - 14 June 2009, and the application deadline for this session is 6 April 2009. More information about the course including details on how to apply can be accessed at [www.e4sd.org](http://www.e4sd.org). Please note that the E4SD Online Course will be offered at no charge to accepted participants. [katsiaryna.paulavets@e4sd.org](mailto:katsiaryna.paulavets@e4sd.org) Web: <http://www.iiiee.lu.se> Web: <http://www.e4sd.org>

### 2. Dow backs efficiency drive, not taxes, to cut carbon emissions

Dow Chemical Co. Tuesday touted its accomplishments as a result of its energy efficiency and conservation program. The updated data came as Rich Wells, Dow's vice president of energy, Tuesday offered testimony to the United States House of Representatives' Subcommittee on Energy and Environment regarding policies for climate change legislation. New cumulative data shows that since 1994, when Dow first reported its energy and conservation performance, the company has saved 1,600 trillion BTU of energy. Wells shared the data with subcommittee members to underscore Dow's belief that energy efficiency policies can help reduce the costs of climate legislation. In his testimony, Wells recommended that Congress include greater energy efficiency measures to extend U.S. energy supplies and slash carbon emissions.

### 3. Research agencies get money for "beaker-ready" proposals from universities

The new stimulus bill gives NSF \$2 billion in stimulus financing for research grants. NSF will begin pushing nearly all of that money out to scientists within 120 days. The spending increase comes after six years of nearly flat research budgets at the N.I.H., NSF, DoE and other agencies, and growing desperation at research universities, which depend on the agencies to underwrite much of their scientific faculty and laboratory infrastructure.

To speed the process, the science foundation will not put out any new calls for proposals from researchers, but will instead use the money to finance a higher fraction of proposals already under review and to finance old ones that were judged meritorious last year but were rejected for lack of funds.

The one opportunity that will require new applications is for a pool of \$200 million for universities to refurbish laboratories. Grant proposals that scientific review committees have already deemed worthy will receive top priority for the financing. Nearly all such proposals seek four years of financing, but agency administrators will pick out the grants for projects that they believe could be completed in two years. See New York Times February 23, "Beaker-Ready Projects? Colleges Have Quite a Few"

### 4. The March issue of online National Geographic features story about household energy conservation

<http://ngm.nationalgeographic.com/2009/03/energy-conservation/miller-text>

It includes an interactive online quiz of household energy conservation.

<http://ngm.nationalgeographic.com/2009/03/energy-conservation/quiz-interactive>

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## SEMINARS

### 1. SFI Graduate Colloquium in Sustainability 12pm Friday, March 6th, 208 ME-EM

We will be discussing "Pessimism of the Intellect and Optimism of the Will" by David J. Rapport (2001, *Ecosystem Health* 7(4), 187-191)

### 2. RSI Seminar: A New Model System Aimed to Simulate Interdisciplinary Multi-Scale Oceanic Processes: A Tool for Great Lakes Ecosystem Studies by Changsheng Chen 4pm Monday March 3, M&M U113

abstract at <http://www.phy.mtu.edu/~cantrell/RSIseminar.html>

Dr. Chen will be on campus Monday and Tuesday. If you would like to meet with him M-T, please send Charles ([wkerfoot@mtu.edu](mailto:wkerfoot@mtu.edu)) the times you are available.

Chen is from Dartmouth-Mass, an adjunct with Woods Hole Oceanographic Institute (WHOI), and engaged with a dozen projects. He is one of the premier physical oceanographic modelers, responsible for development of FVCOM model, the basis of a NE ecosystem forecasting program and the one NOAA GLERL advocates for the NSF Blue Waters supercomputing project (Univ. Illinois). He was a member of both the NSF/NOAA KITES and EEGLES projects, developed a circulation model for Lake Superior using FVCOM, and was a close colleague of ours. Check out his website for details on the projects: <http://fvcom.smast.umassd.edu/> .

### **3. Ground Truthing Sustainable Development, Colloquium III Monday, March 2, 2009**

Colin Casey and Matt Seib

Dow 6th Floor Atrium

3:00 pm

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## **FUNDING & AWARD OPPORTUNITIES**

*To submit research proposals through the Sustainable Futures Institute, add "SFI" to the DEPT/CENTER/INSTITUTE(S) column for identifying the PI's and co-PI's. The transmittal sheet must then be signed by the SFI Director, John Sutherland, on page 3. (If John Sutherland is unavailable for signing transmittal sheets, Qiong (Jane) Zhang can also sign for SFI). Submitting proposals under SFI provides wider publicity and recognition for your research as well as a 10% return on your incentive account.*

### **1. Conservation Innovation Grants (CIG), USDA, and Natural Resources Conservation Service (NRCS)**

Deadline: March 20, 2009 Amount \$2,000,000

NRCS requests applications for Conservation Innovation Grants (CIG) to stimulate the development and adoption of innovative conservation approaches and technologies. There are four CIG categories available in FY 2009: Natural Resource Concerns Category, Technology Category, Chesapeake Bay Watershed Category, and Grant Leveraging Category.

The purpose of CIG is to stimulate the development and adoption of innovative conservation approaches and technologies while leveraging the Federal investment in environmental enhancement and protection, in conjunction with agricultural production. CIG projects are expected to lead to the transfer of conservation technologies, management systems, and innovative approaches (such as market-based systems) into NRCS technical manuals, guides, and references or to the private sector. CIG does not fund research projects. It is a vehicle to stimulate the development and adoption of conservation approaches or technologies that have been studied sufficiently to indicate a likelihood of success, and to be candidates for eventual technology transfer or institutionalization. CIG funds projects targeting innovative on-the-ground conservation, including pilot projects and field demonstrations.

<http://fundingopps.cos.com/alerts/117670>

### **2. Environmental Security Technology Certification Program (ESTCP) and DOD**

Deadline: March 5, 2009 Amount \$1,000,000

The purpose of ESTCP is to demonstrate and validate the most promising innovative environmental technologies that target DoD's most urgent environmental needs and are projected to pay back the investment through cost savings, improved efficiencies or improved outcomes. ESTCP responds to high-priority DoD environmental technology requirements and the need to improve defense readiness by reducing the drain on the department's operation and maintenance dollars caused by real world commitments such as environmental restoration, waste and facility management, and range sustainability.

<http://fundingopps.cos.com/alerts/90091>

### **3. Rutherford Medal Royal Society of New Zealand (RSNZ)**

The Rutherford Medal recognizes a significant contribution to the advancement and promotion of public awareness, knowledge and understanding in addition to eminent research or technological practice by a person or

group in any field of science, mathematics, social science, or technology. A group award shall only be made in very meritorious circumstances.

"Science and Technology" is taken to cover the fields of knowledge broadly known by the term "scientific culture." It includes the applied, biological, earth, engineering, information, mathematical, medical, physical, social, and technological sciences. It also includes activities in the promotion and encouragement of science and technology, in improving public awareness, knowledge and understanding of science and technology, in science and technology education and in the management of scientific and technological societies and institutions. It does not include the arts and humanities.

When considering the award of a Rutherford Medal, the Royal Society will be looking for people of distinction who will stand in high public esteem. They will have demonstrated more than purely scientific or technological achievement within their scientific or technological discipline. To qualify, the research needs to be recognized internationally as significantly advancing understanding of the field. They will also have made a substantial contribution to the advancement and promotion of public awareness, knowledge, and understanding of science, mathematics, social science, or technology, public service within the scientific community, and on behalf of research, science, mathematics, social science, or technology in the wider community.

<http://fundingopps.cos.com/alerts/66221>

#### **4. DOE/NREL Innovative and Advanced Technologies and Protocols for Monitoring/Verification/Accounting (MVA), Simulation, and Risk Assessment of Carbon Dioxide (CO<sub>2</sub>) Sequestration in Geologic Formations**

Deadline 4/17/2009 Amount: \$24M for 12 to 24 awards

This FOA is specifically focused on development and successful application of innovative, advanced technology and protocols for

- monitoring, verification, and accounting (MVA) of CO<sub>2</sub> sequestration in geologic formations;
- simulating the behavior of geologically-sequestered CO<sub>2</sub>; and
- conducting risk assessments associated with geologic CO<sub>2</sub> sequestration activity.

<http://tinyurl.com/d7jvh5>

#### **5. NSF Virtual Organizations as Sociotechnical Systems**

Deadline 5/26/09 Amount: \$24M for 12 to 24 awards

The Virtual Organizations as Sociotechnical Systems (VOSS) program supports scientific research directed at advancing the understanding of what constitutes effective virtual organizations and under what conditions virtual organizations can enable and enhance scientific, engineering, and education production and innovation.

<http://www.nsf.gov/pubs/2009/nsf09540/nsf09540.htm>

#### **6. NSF Science of Science and Innovation Policy (SciSIP)**

Deadline 9/9/09

Research funded by the program thus develops, improves and expands models, analytical tools, data and metrics that can be applied in the science policy decision making process. For example, research proposals may develop behavioral and analytical conceptualizations, frameworks or models that have applications across a broad array of SciSIP challenges, including the relationship between broader participation and innovation or creativity. Proposals may also develop methodologies to analyze science and technology data, and to convey the information to a variety of audiences.

[http://www.nsf.gov/funding/pgm\\_summ.jsp?pims\\_id=501084](http://www.nsf.gov/funding/pgm_summ.jsp?pims_id=501084)

#### **7. DoD ERDC BAA - Ecological Modeling (EL-30)**

Deadline: Continuous

This research involves the use of traditional population and community dynamics models as well as spatially explicit, structured-population and individual oriented models for addressing a wide variety of biological problems.

<http://www.mvk.usace.army.mil/contract/other.asp>

#### **8. DoD ERDC BAA - Industrial Process Optimization (CERL-6)**

Deadline: Continuous

This research would identify new opportunities for industrial energy reduction achieved through new and innovative technologies, improved system or operational modifications, while simultaneously improving production efficiencies, reducing costs, or reducing toxic air emissions. Emphasis would be placed on implementing changes that could be applied to numerous military industrial and non-industrial installations.

<http://www.mvk.usace.army.mil/contract/other.asp>

#### **9. DoD ERDC BAA – Construction Materials Made From Recycled Wastes (CERL-11)**

Deadline: Continuous

Research is currently being conducted on construction materials made from recycled, post-consumer wastes with a primary focus on products made from recycled plastics. Required research on these polymeric materials includes, but is not limited to, studies concerning the relationship of fabrication techniques to end-product properties, degradation mechanisms in various environmental exposures, long-term mechanical properties and durability in severe and varying environments, creep behavior at varied temperatures and loads, behavior and design of bolted connections, quality assurance techniques, design criteria for structural applications, and modeling techniques to predict material behavior in different loading situations over the life-cycle of the product.

<http://www.mvk.usace.army.mil/contract/other.asp>

#### **10. Transportation Electrification**

The Department of Energy's (DOE) National Energy Technology Laboratory (NETL) intends to issue, on behalf of the DOE Office of Energy Efficiency and Renewable Energy (EERE), Vehicle Technologies Program, a Funding Opportunity Announcement (FOA) entitled "Transportation Electrification." Projects selected under this requirement shall be used to establish widespread demonstration, development, evaluation, and education projects to accelerate the market introduction and penetration of advanced electric drive vehicles.

<http://fundingopps.cos.com/alerts/117663>

#### **11. Automotive Battery Manufacturing Initiative**

The Department of Energy's (DOE's) National Energy Technology Laboratory (NETL) intends to issue, on behalf of the DOE Office of Energy Efficiency and Renewable Energy (EERE), Vehicle Technologies Program, a Funding Opportunity Announcement (FOA) entitled "Automotive Battery Manufacturing Initiative." The planned funding opportunity announcement will seek applications for grants authorized under the Energy Independence and Security Act of 2007, section 136 and supports the construction of U.S. based battery manufacturing infrastructure for Li ion and other advanced batteries used in electric drive vehicles (EDVs). This work will enable production of various electric vehicle technologies by lowering the cost of battery packs for EDV batteries through high-volume manufacturing.

<http://fundingopps.cos.com/alerts/117664>

#### **12. Microsystems Technology Office-Wide Broad Agency Announcement**

DOD, Defense Advanced Research Projects Agency (DARPA) and Microsystems Technology Office (MTO)

The Microsystems Technology Office's (MTO) mission is to exploit breakthroughs in materials, devices, circuits, and mathematics to develop beyond leading edge microsystems components with revolutionary performance and functionality to enable new platform capability for the Department of Defense. To execute this mission, MTO supports revolutionary research in electronics, photonics, MEMS, algorithms, and combined microsystems technology to deliver new capabilities to sense, communicate, energize, actuate, and process data and information for the war fighter.

<http://fundingopps.cos.com/alerts/117645>

#### **13. Manufacturing Engineering Laboratory (MEL) Grants Program (FY 2009)**

United States Department of Commerce (DOC) Technology Administration and National Institute of Standards and Technology (NIST)

Deadline: continuous Amount: \$25,000 to \$250,000

The Manufacturing Engineering Laboratory (MEL) Grants Program will provide grants and cooperative agreements in the following fields of research: Dimensional Metrology for Manufacturing, Mechanical Metrology for

Manufacturing, Machine Tool and Machining Process Metrology, Intelligent Systems, and Information Systems Integration for Applications in Manufacturing. Financial support may be provided for conferences, workshops, or other technical research meetings that are relevant to the mission of the Manufacturing Engineering Laboratory. Specific information regarding program objectives can be found in the corresponding Federal Funding Opportunity for this announcement.

<http://fundingopps.cos.com/alerts/67552>

#### **14. Enabling Technologies for High-Hydrogen Fueled Turbines: University Turbine Systems Research (UTSR) FY09**

The Department of Energy (DOE) National Energy Technology Laboratory (NETL) intends to issue this FOA on behalf of the DOE Office of Fossil Energy. The Turbine Program addresses key technologies needed to enable the development of advanced turbines and turbine-based systems that will operate cleanly and efficiently when fueled with coal-derived synthesis gas and hydrogen fuels. Developing turbine technology to operate on coal-derived synthesis gas and hydrogen is critical to the development of advanced coal based power generation technologies such as IGCC and the deployment of IGCC power plants that capture and sequester carbon dioxide.

<http://fundingopps.cos.com/alerts/117681>

#### **15. Request for UTC-MiSTI Summer Scholar Project Proposals 2009 from Michigan Tech faculty and staff**

Submission Deadline: 5 PM, March 20, 2009. Submit electronically to [misti@mtu.edu](mailto:misti@mtu.edu)

Award Announcement: By April 10, 2009 Anticipated Number of Awards: 6 to 10

The University Transportation Center for Materials in Sustainable Transportation Infrastructure is issuing a call to Michigan Tech faculty and qualified staff for the development of 2009 UTC Summer Scholar Program projects.

Proposed projects should address the following:

- Projects must seek to solve, or provide a solid understanding, of state and/or national transportation agency needs
- Projects must clearly address the attributes of sustainability (social, economic and environmental)
- Projects must support the theme of the UTC?MiSTI (role construction materials hold in creating more sustainable transportation infrastructure)
- Projects must have the potential to yield a base knowledge from which the proposer may pursue future funding opportunities
- Projects may provide parallel exploration to existing externally funded research, but clear distinction needs to be exhibited between the objectives and deliverables of the funded project and the proposed project
- Projects must provide a research experience for undergraduate students.
- This is an internal call and will not require a transmittal. Up to two proposal submissions per proposer will be accepted for consideration.
- Review Process: Proposals will be reviewed by the Center's Technical Advisory Council with

recommendation by the Center's Research Task Group. Successful proposers will be asked to participate in a program orientation to students and faculty participating in the 2009 program.

Proposal Format: Submission package should include a maximum two page abstract/description of the proposed project, including a list and timeline of tasks and deliverables and a budget by major category including supplies, use fees, laboratory staff support and hourly student support.

Please include the proposers name and contact information. For more information regarding the UTC?MiSTI, visit the Center's Web site at [www.misti.mtu.edu](http://www.misti.mtu.edu) or contact Beth at 487.3154 or [elizabeth@mtu.edu](mailto:elizabeth@mtu.edu)

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#### **JOBS & POST DOCS**

##### **1. Director, Office of Sustainability, U Florida**

The University of Florida seeks a Director of its Office of Sustainability. The Director is responsible for the overall management of the Office of Sustainability including the supervision of its staff, the development of reports, programs, and policies related to operational sustainability for university facilities and infrastructure; funding initiatives; and the development and execution of an outreach program and strategic communication plan. The Director will work in close conjunction with Academic Affairs, which is responsible for the development of programs and policies relating to sustainability in teaching and research on campus, as well as the Joint

Sustainability Committee. A Master's degree in an appropriate area of specialization and six years of appropriate experience are required. The position is open until filled.

<https://jobs.ufl.edu/applicants/jsp/shared/frameset/Frameset.jsp?time=1235581692315>

## **2. Director, Pollution Prevention Inst, Rochester Inst of Technology**

Rochester Institute of Technology seeks a Director for its New York State Pollution Prevention Institute (P2I) at the Golisano Institute for Sustainability. The Director will supervise research and analysis of targeted industry sectors, Direct P2I staff to conduct research and direct assistance projects, edit and provide guidance to reports and presentations, and evaluate proposed projects to ensure alignment with P2I priorities. A minimum of five years of experience in a technical P2 position and ten years of related work experience is required. The position is open until filled. <http://www.higheredjobs.com/search/details.cfm?JobCode=175361344>

## **3. Director, Center for the Environment, Mount Holyoke College**

Mount Holyoke College (MA) invites applications for the position of Leslie and Sarah Miller Director of the Center for the Environment. Reporting to the Dean of Faculty, the Director will head the Center and will be tasked with overseeing and expanding the College's curricular and programmatic initiatives in environmental education and campus sustainability. The Director will play a leadership role in helping to build upon and highlight the College's long-standing commitment to environmental awareness and engagement. A Ph.D. is required. Review of applications will begin on February 25, 2009. <http://chronicle.com/jobs/id.php?id=0000593020-01&pg=s&cc=>

## **4. Visiting Professor, Environmental Studies, Williams College**

The Williams College (MA) Center for Environmental Studies is looking for candidates to fill the Class of 1946 Visiting Professorship in Environmental Studies for 2009-10. The position will ideally be year-long, with the candidate offering a class in U.S. environmental law during one semester and a class in international environmental law in the following semester. Applications are due March 27, 2009.

<http://www.higheredjobs.com/search/details.cfm?JobCode=175360883>

## **5. Lecturer, Environmental Policy, U Southern California**

The University of Southern California is seeking applicants for a non-tenure-track Lecturer position on the policy side of Environmental Studies. The successful candidate will teach both undergraduate courses and graduate courses in a developing MA degree program. The candidate will also serve as Graduate Advisor. A Ph.D. in a field related to environmental policy and planning is required.

<http://chronicle.com/jobs/id.php?id=0000591725-01&pg=s&cc=>

## **6. Spring Sustainability Internships, Sustainable Endowments Institute**

The Sustainable Endowments Institute is seeking highly motivated and reliable individuals for part-time spring internships. Interns will help lay the groundwork for producing the College Sustainability Report Card 2010. The internship will last approximately 12 weeks, starting in March 2009. Flexible scheduling arrangements would be considered in certain circumstances. Applications will be considered on a rolling basis. Full-time Summer Research Fellowships are also available.

<http://www.endowmentinstitute.org/>

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## **NEW RESOURCES**

### **1. World Watch Magazine – Free Online Access for Professors & Students**

The World Watch Institute is offering free online access to the World Watch magazine to professors and students so that they can easily integrate the magazine articles into course studies. The magazine covers environmental events and sustainability issues. To obtain access, email Juliane at [jdiamond@worldwatch.org](mailto:jdiamond@worldwatch.org).

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## **EVENTS & CONFERENCES**

### **1. Experiential Education & Sustainability – Faculty Workshop in Thailand**

The International Sustainable Development Studies Institute invites faculty to participate in a 7 day summer workshop entitled, "Experiential Education and Sustainability." The workshop will focus on using case studies from

the experience of ISDSI and other organizations to give participants practical experience with and a solid working knowledge of the key issues involved in teaching experiential field-based courses.

<http://www.isdsi.org/workshop.html>

## **2. 2009 Lean and Green Summit for Compliance and Innovation**

June 8-9 in Historic Savannah, GA

<http://www.leanandgreensummit.com/>

## **3. 2009 2nd Annual Michigan Energy Conference April 16-17 Ferris State University, Big Rapids MI**

Guest Speakers

Paul Proudfoot from MPSC - Michigan Energy Policies

Jeff Goody from Vestas - Wind Energy Solutions

Bill Harper from Chevron Energy Solutions - Responding to our Energy Challenges

Afternoon Workshops include:

Energy Audits for Business Owners

Introduction to HVAC Commissioning

Alternative Fuels for Transportation

Becoming a Certified Home Energy Rater-HERS.

Friday Keynote Speakers:

Michele Buckler, FTC&H - Introducing Carbon Footprint

Stephen Hamstra, GMB Architects Engineers - Reducing Carbon Footprint

Friday Breakout Sessions:

Creating and Delivering Renewable Energy, Vestas, Jeff Goody - Wind Power Solutions

Alternative Energy - Site Solutions, Cascade Engineering, Lance Tenant - Wind Turbines

Energy Efficiency Solution in Business and Industry Consumers Energy,

Robert Joba - Energy Optimization Policy and Programs

Creating and Delivering Renewable Energy, Vestas, Jeff Goody – Wind Power Solutions

Alternative Energy - Site Solutions, Viessmann, Tom Fox - Solar Systems

Energy Efficiency Solution in Business and Industry, DTE Energy, Robert Fegan - Energy Optimization Programs

Recap - Dan Radomski, NextEnergy

[www.ferris.edu/mec](http://www.ferris.edu/mec)

## **4. The Sixth Annual Byron Fellowship Program will take place May 17-22, 2009 at Turkey Run State Park.**

The Byron Fellowship is a five day interdisciplinary course in sustainable communities that uniquely engages participants through place-based learning. We are looking for 12 to 16 exceptional upper class undergraduates, graduate students, or recent graduates that have a passionate interest in building sustainable communities.

More information regarding the event is available at: <http://www.byronfellowship.org>

[info@byronfellowship.org](mailto:info@byronfellowship.org)

## **5. Become a Carbon Zero Hero Webinar March 11, 2009; 2 – 3 pm Eastern**

EYP is offering "Become A Carbon Zero Hero," a free webinar in which EYP experts will explain energy efficiency initiatives that can result in significant greenhouse gas emissions reductions and have a positive impact on an institution's budget. Participants will discover easy-to-implement, cost-effective initiatives that can reduce a campus's carbon footprint; learn how to create a pilot action plan that can result in immediate energy cost savings; and take away the right tools to begin the process productively and cost effectively.

<http://www.endowmentinstitute.org/>

## **6. AASHE Sustainability Across the Curriculum Leadership Workshop June 11-12, 2009; San Diego State U**

AASHE's Sustainability Across the Curriculum Leadership workshops are for faculty leaders of all disciplines who wish to develop curriculum change programs around sustainability on their campuses. Through an intensive two

days of presentations, exercises, discussions, reflection, and planning, participants will become familiar with the philosophy of change in higher education developed through the Ponderosa Project at Northern Arizona University and adapted at Emory in the Piedmont Project. Participants will also experience a range of workshop strategies, hear local experts, enjoy outdoor place-based activities, and dialogue with faculty from around the country as they gain help in adapting this model to their own campus. The workshop leaders, Peggy Barlett and Geoffrey Chase, are editors of *Sustainability on Campus: Stories and Strategies for Change* and have helped more than 250 faculty revise courses in a wide array of disciplines. Workshop tuition is \$420 for AASHE members and \$485 for non-members. Applications to participate are due March 20, 2009. <http://www.aashe.org/profdev/curriculum.php>

**7. CFP: Greening of the Campus VIII: Embracing Change September 20 -23; 2009; Indianapolis, IN**

Ball State University (IN), in partnership with AASHE, announces a Call for Papers for Greening of the Campus VIII: Embracing Change. Abstracts for conference papers, posters, workshops, panels, forums, special activities, and pre- or post-conference events are invited. Topics may range from the practical day-to-day management of the physical plant to green curriculum development and green utilization of campus resources. The deadline for submissions is March 30, 2009. <http://www.bsu.edu/greening/callforpapers/>