

SFI weekly newsletter for the week of May 11, 2009
A weekly service of SFI

A PDF version of the complete newsletter is at <http://www.sfi.mtu.edu/newsletter.html>

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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.

Details of these headlines are available at SFI's Website: <http://www.sfi.mtu.edu/newsletter.html>

SUSTAINABILITY NEWS

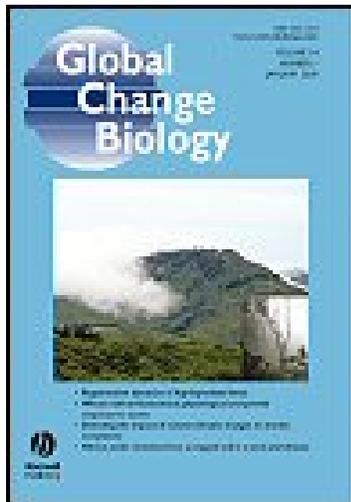
1. 200 nuclear power plants needed to power TVs, iPods, PCs, etc. by 2030

Thursday's Great Lakes IT Report cites a report by the Paris-based International Energy Agency that estimates new electronic gadgets will triple their energy consumption by 2030 to 1,700 terawatt hours largely due to the soaring electricity needs of gadgets like MP3 players, mobile phones and flat screen TVs. This is the equivalent of today's home electricity consumption of the United States and Japan combined. The world would have to build around

200 new nuclear power plants just to power all the TVs, iPods, PCs and other home electronics expected to be plugged in by 2030, when the global electric bill to power them will rise to \$200 billion a year, the IEA said.

http://hosted.ap.org/dynamic/stories/E/EU_GREENER_GADGETS?SITE=WWJAM&SECTION=HOME&TEMPLATE=DEFAULT

2. UM, MSU, and Ohio's Miami University study: Climate change drives Michigan mammals north



Some Michigan mammal species are rapidly expanding their ranges northward, apparently in response to climate change, a new study shows. In the process, these historically southern species are replacing their northern counterparts. The study appears in the June issue of the *Journal Global Change Biology*. Lead author Phillip Myers says: "We're talking about the commonest mammals there, mammals that have considerable ecological impact." ... They disperse seeds, they eat seeds, they eat the insects that kill trees, they disperse the fungus that grows in tree roots that is necessary for trees to grow, and they're the prey base for a huge number of carnivorous birds, mammals and snakes. But we don't know enough about their natural history to know whether replacing a northern species with a southern equivalent is going to pass unnoticed or is going to be catastrophic. It could work either way." See Climate-induced changes in the small mammal communities of the Northern Great Lakes Region (p 1434-1454) by Philip Myers, et al., published Online: Jan 12 2009 4:43AM DOI: 10.1111/j.1365-2486.2009.01846.x

<http://www3.interscience.wiley.com/journal/117991450/home?CRETRY=1&SRETRY=0>

3. Dell bans e-waste export to developing countries

PC maker Dell Inc. on Tuesday formally banned the export of broken computers, monitors and parts to developing countries amid complaints that lax enforcement of environmental and worker-safety regulations have allowed an informal and often hazardous electronic-waste recycling industry to emerge. Although Dell's announcement does not mark a significant change in the PC maker's behavior, environmental groups hope that by making its standards public, Dell will raise the bar for other electronics makers. In the absence of regulations, those groups are banking on competitive pressure to make companies improve their practices.

http://hosted.ap.org/dynamic/stories/U/US_TEC_DELL_DIGITAL_DUMPING?SITE=WWJAM&SECTION=HOME&TEMPLATE=DEFAULT

4. Michigan Green Chemistry Governor's Award Application Deadline Extended for Students

The deadline for students to apply to the Michigan Green Chemistry Governor's Award competition has been extended to July 15, 2009. The awards were announced by the Green Chemistry Roundtable and will honor industrial, academic, student, and non-profit efforts to green Michigan's economy. The award program is open to individuals, groups, and organizations in Michigan, both nonprofit and for profit, including academia, educators, nonprofit advocacy groups, and industry. Award recipients will be honored at a special dinner at the Detroit Institute of Arts in Detroit on September 24.

The award program recognizes advances that either incorporate the principles of green chemistry into chemical design, manufacture, or use; or that promote activities that support or implement those technologies. The Roundtable will present one or more awards in each of the following categories: Business: Academic, Education, Public, and Student. The student category includes undergraduate and graduate chemistry and engineering student design projects that incorporate one or more of the 12 Principles of Green Chemistry. Further information on the Michigan Green Chemistry Program, along with a copy of the nomination packet, is available on the DEQ Web site at www.michigan.gov/deqgreenchemistry, or by calling the DEQ, Environmental Assistance Center at 800-662-9278.

5. President's Climate Commitment Releases Annual Report

The American College and University Presidents Climate Commitment has released its 2008 Annual Report. The document describes the impact the Commitment has had and highlights initiatives in the Foothill-DeAnza Community College District (CA), Arizona State University, and Furman University (SC), among others.



<http://www.presidentsclimatecommitment.org/html/documents/2009-04ACUPCC2008ARpressrelease.pdf>

5. Shifting Their Energies Technology / Start-Ups

Venture capital is moving away from alternative energy and returning to one of its traditional strengths: improving the efficiency of energy consumption.

New York Times, May 11, 2009 By Claire Cain Miller

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. SFI Director, John Sutherland, will sign the transmittal sheet 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. US EPA-- Exploring Linkages Between Health Outcomes and Environmental Hazards, Exposures, and Interventions for Public Health Tracking and Risk Management

5 regular awards, 2 early career awards for approximately \$3 million total

Potential Funding per Award: For a regular award, up to a total of \$500,000, including direct and indirect costs, with a maximum duration of 3 years. Early career awards are limited to a total of \$250,000, including direct and indirect costs, with duration of 3 years. Cost-sharing is not required. Proposals with budgets exceeding the total award limits will not be considered.

The aim of the research is to develop indicators that can be used for long-term tracking and surveillance of environmental public health, making better informed decisions, and assessing the actual impacts of environmental risk management decisions. Proposed projects should capitalize on existing knowledge bases, data sources, or cohorts to develop EPHIs that reflect a better understanding of the relationships between environmental conditions, human exposure, and/or public health outcomes. Novel application of statistical methods or models may be needed to establish probable relationships between existing datasets or investigate the consequences of environmental actions and policy changes. http://epa.gov/ncer/rfa/2009/2009_star_ephi.html

2. FHWA Exploratory Advance Research Solicits Proposals

Deadline: June 24, 2009 and September 23, 2009

The FHWA Exploratory Advanced Research (EAR) Program working with the Offices of Acquisition Management, Infrastructure R&D, Safety R&D, Operations R&D, Planning and Policy is soliciting proposals through a Broad Agency Announcement on 12 topics in the four focus areas listed below. Proposals for FY 2009 will be due Wednesday June 24, 2009 and proposals for FY 2010 will be due September 23, 2009. The EAR Program plans to award around \$11.6 million to proposals responding to the solicitation. For more information, please contact Terry Halkyard, (202) 493-3467, terry.halkyard@fhwa.dot.gov or David Kuehn, (202) 493-3414, david.kuehn@dot.gov.

Focus Area #1: Nanoscale Research

Focus Area #2: Concepts for Integrating Highway Safety and Systems Operations

Focus Area #3: New Technologies and Advanced Policies for Energy and Resource Conservation

Focus Area #4: Macro, Mega-regional and National Scale Modeling Systems

To see the Broad Agency Announcement including the full topic area description and proposal requirements please go to:

<https://www.fbo.gov/index?s=opportunity&mode=form&id=7752fc044b3a0a1e59f9ffe042f60ba8&tab=core&cvview=0&cck=1&au=&ck>

JOBS & POST DOCS & INTERNSHIPS, FELLOWSHIPS, SCHOLARSHIPS and CFPs

1. U.S. Department of State: 2010 Spring Student Internship Program

Deadline for applications: July 1, 2009

The U.S. Department of State is pleased to inform you that we are accepting applications for the U.S. Department of State's 2010 Spring Student Internship Program.

Click here <http://careers.state.gov/students/programs.html#SIP> for more information and to start the online application process. You must be a U.S. Citizen and a student (a full- or part-time continuing college or university junior, or graduate student - including graduating seniors intending to go on to graduate school) to be eligible.



2. Prgm Director, Sustainable Design, U California, Berkley

The University of California, Berkeley seeks a Director of the Sustainable Design Program to be responsible for the academic quality of sustainable design programs, the development of new courses and curricula, and the evaluation and oversight of current courses. S/he will also recruit, select, orient, evaluate, and supervise course and program instructors. Qualifications include a Bachelor's degree in a related area and/or equivalent experience or training. A Master's Degree in Environment Design or Management is preferred.

<http://preview.tinyurl.com/dcqt8b>

3. Prgm Dir, Food Studies, Chatham U

Chatham University (PA) seeks a Program Director for its new Master of Arts in Food Studies to begin in January 2010. The successful candidate will build the program into one that promotes understanding of food policies and practices that will benefit people and the planet. The ideal candidate will have a broad background in environmental, sustainability, and food studies; international interests and experience; administrative experience in budgeting, program development, faculty evaluation, and day-to-day management of academic programs; excellent communication skills; and flexibility. A doctoral degree is required.

<http://chronicle.com/jobs/id.php?id=0000599618-01&pg=s&cc=>

4. Chair, Sustainable Enterprise, Case Western Reserve U

Case Western Reserve University (OH) is seeking a preeminent scholar who is internationally recognized for her/his research and educational impact in Business Sustainability and Social Entrepreneurship to serve as the Char and Chuck Fowler Chair in Sustainable Enterprise. The Professor/Associate Professor holding this position is expected to teach and provide leadership for a research program in the Weatherhead School's Center for Sustainable Value. Candidates should have a Ph.D. or DBA in a related topic. The position will remain open until filled.

<http://chronicle.com/jobs/id.php?id=0000598362-01&pg=s&cc=>

5. Fellow, Sustainable Urban Food Studies, The New School

The New School (NY) seeks a Post-Doctoral Fellow in sustainable urban food systems for the 2009-2010 academic year to assist in research, curriculum development, and public programming coordination within the University's new Environmental Studies Program. Under the supervision of one or more Environmental Studies faculty members, the fellows will develop and teach a survey course and one course based on their area(s) of expertise and dissertation topic. A Ph.D. in Urban Planning, Policy, Environmental Studies, or a related discipline is required. The position is open until filled. <http://www.higheredjobs.com/search/details.cfm?JobCode=175371918>

6. Subject Matter Expert, Graduate Sustainability Courses, South U

South University (FL) is seeking a Subject Matter Expert to be responsible for the design and development of online course content in Sustainability. The Subject Matter Expert will work closely with a team of South University Academic Affairs personnel, instructional designers, media developers, education experts, and platform developers to create high-quality, outcomes-driven course content within time and resource budget requirements. A terminal degree in Sustainable Organizations, Sustainability, Conservation, or a closely related business field is required. <http://chronicle.com/jobs/id.php?id=0000599458-01&pg=s&cc=>

7. Adjunct Faculty, Env'l Science, Intl Academy of Design & Technology

The International Academy of Design and Technology (FL) seeks an Adjunct Faculty of Environmental Science to provide and sustain an effective learning environment for every student through well prepared classes, relevant assignments, fair and holistic assessment of learning, clear documentation of student progress, and support of academic success of at-risk students. Documented expertise in Environmental Science is required. The position is open until filled. <http://www.higheredjobs.com/search/details.cfm?JobCode=175372219>

8. Sustainability Coordinator Luther College

Full-time position opening as Sustainability Coordinator. This person is charged with helping the college achieve its specific sustainability goals and reducing the environmental impact of the institution as a whole. Will engage students, faculty, and staff in sustainability initiatives related to campus operations, student life, and teaching and research. Promote a culture of conservation on campus and implement strategies to achieve reductions in solid waste disposal, campus energy usage, and recycling. Integrate sustainability issues into new student orientation, as well as sustainability education in teaching and research across academic disciplines. Will supervise recycling, and student sustainability work-study employees.

Bachelor's degree required, master's preferred, in an area related to sustainability and/or higher education. A minimum of two years work experience required in higher education or sustainability initiatives is preferred. Experience in environmental or sustainability education, student life work, and grant writing preferred. Excellent oral and written communication skills required. Send letter of interest, resume, names of three references to Human Resources, Luther College, 700 College Drive, Decorah, IA 52101. 563.387.1134 EOE Posted 5/7/09

9. CFP—*Green Series* invites encyclopedia-like submissions

Green Series, a new electronic reference series for academic and public libraries is inviting academic editorial contributors. *Green Series* addresses all aspects of environmental issues, including alternative energies, sustainability, politics, agriculture, and many other subjects that will comprise a 12-title set. Each title has approximately 150 articles (much like encyclopedia articles) on major themes, ranging from 1,000 to 4,000 words. We are starting the assignment process for articles for Volume 9: Green Health with a submission deadline of August 3, 2009.

This comprehensive project will be published in stages by SAGE eReference and will be marketed to academic and public libraries as a digital, online product available to students via the library's electronic services. The Series Editor is Paul Robbins, Ph.D., University of Arizona, and the General Editor for Volume 9 is Oladele Ogunseitan, Ph.D., UC Irvine. Both editors will be reviewing each submission to the project.

If you are interested in contributing to this cutting-edge reference, it can be a notable publication addition to your CV/resume and broaden your publishing credits. SAGE Publications offers an honorarium ranging from SAGE book credits for smaller articles up to free access to the online product for contributions totaling 10,000 words or more.

If you would like to contribute to building a truly outstanding reference with the *Green Series*, please contact Ellen Ingber, Author Manager Golson Media at green@golsonmedia.com. Please provide a brief summary of your academic/publishing credentials in environmental issues.

NEW RESOURCES

1. The Tax Credit for Installing Energy Efficient Windows, Doors and Skylights

As a result of the stimulus bill, homeowners can claim a tax credit of up to \$1,500 for upgrading their primary residence with energy efficient appliances and building components, such as exterior windows, doors and skylights. This way, homeowners can reduce their income tax by up to thirty percent of the purchase price (not including installation costs) of qualified products installed in 2009 and 2010.

<http://www.efficientwindows.org/taxcredit/taxcredit.cfm>

According to the IRS, All ENERGY STAR windows purchased before **June 1, 2009** qualify for the tax credit even without a manufacturer's certification statement.
See <http://www.irs.gov/newsroom/article/0,,id=206871,00.html>

More comprehensive information will be made available by the IRS. Individuals should consult their own independent tax advisers. The Internal Revenue Service site: www.irs.gov/newsroom/article/0,,id=206871,00.html
The Alliance to Save Energy site: www.ase.org/content/article/detail/2654
The ENERGY STAR site: www.energystar.gov/index.cfm?c=products.pr_tax_credits
The Efficient Windows Collaborative <http://www.efficientwindows.org/>

2. A Cautionary Video About America's 'Stuff'



The May 10th *New York Times* reports that "The Story of Stuff," a 20-minute video about the effects of human consumption, has become a sleeper hit in classrooms across the nation. The video is a cheerful but brutal assessment of how much Americans waste. It has been embraced by teachers eager to supplement textbooks that lag behind scientific findings on climate change and pollution. The video went on the Internet in December 2007. Word quickly spread among teachers, who recommended it to one another as a brief, provocative way of drawing students into a dialogue about how buying a cellphone or jeans could contribute to environmental devastation. So far, six million people have viewed the film at its site, storyofstuff.com, and millions more have seen it on YouTube. More than 7,000 schools, churches and others have ordered a DVD version, and hundreds of teachers have written. However, the enthusiasm is not universal. In January, a school board in Missoula County, Mont., decided that screening the video treaded on academic freedom after a parent complained that its message was anticapitalist. But many educators say the video is a boon to teachers as they struggle to address the gap in what textbooks say about the environment and what science has revealed in recent years.

<http://www.nytimes.com/2009/05/11/education/11stuff.html?pagewanted=2>

EVENTS & CONFERENCES

1. Webinar: Affording Sustainability in the Current Climate

May 21, 2009; 1-2:30pm; Online

EH&E will host a webinar entitled, "Affording Sustainability in the Current Climate: Financial Strategies for Achieving GHG Reductions." The event will cover the following topics: the establishment of revolving loan funds for sustainability; government and utility tax incentives and rebates; renewable energy grants; student self-assessed fees; sustainability endowments; life cycle costing and real value engineering; third-party financing of energy conservation and renewable energy; and latest stimulus fund opportunities. The webinar is designed for signatories of the ACUPCC, LEED Project Managers, Sustainability Coordinators, Directors of Facilities and Energy Management; Directors of Purchasing; and Environmental Health and Safety professionals.

http://www.eheinc.com/news_workshops/financial_strategies_052109.htm

2. Lean and Green: The Sustainability Path in a Tough Economy

May 27-29, 2009; Boston, MA

Academic Impressions will host "Lean and Green: The Sustainability Path in a Tough Economy," a conference that will offer sustainability coordinators and those charged with organizing sustainability efforts across campus the skills to create a roadmap for promoting a culture of sustainability on campus. The conference will teach participants how to develop and increase sustainability efforts, think and plan strategically for carbon neutrality, develop creative financing strategies for sustainability initiatives, implement innovative strategies for engaging students, faculty, and staff, and track the progress of

sustainability efforts on campus. <https://www.academicimpressions.com/conferences/0509-sustainability.php?q=2628x274891yT>

3. 2009 Upper Midwest Campus Sustainability Conference

May 31-June 2, 2009; University of Minnesota; Morris

The Upper Midwest Association for Campus Sustainability invites participants to its 2009 Higher Education Conference. Attendees will share sustainability practices; view new models for low carbon energy production; and network. Speakers will include Deborah Swackhammer, Co-Director of the Water Resources center at the University of Minnesota and Julia Nerbonne, the Environmental Sustainability Program Director for the Higher Education Consortium for Urban Affairs.

http://www.morris.umn.edu/services/cst/symposium/2009/agenda_ed.php

4. Green School & University Virtual Conference and Expo

June 24, 2009; 10:30am – 6pm Eastern; Online

American School & University invites participants to "Green School & University: A Virtual Conference & Expo," a free event dedicated to green/sustainable practices in education institutions. Participants will learn strategies, tactics, and best practices on green design and planning, green buildings, and green cleaning and operations.

<http://preview.tinyurl.com/qth6jf>



38. Promoting & Marketing Alternative Transportation Options Webcast

July 14, 2009; 1-2:30pm Eastern; Online

Academic Impressions will host a webcast entitled, "Promoting and Marketing Alternative Transportation Options." The event will teach participants to analyze the campus culture; craft a message about transportation alternatives; consider how to effectively communicate the message; and identify communication channels and tactics that will be effective for your campus. The webinar will be led by Holly Parker, Director of Sustainable Transportation Systems at Yale University (CT).

http://www.academicimpressions.com/web_conferences/0709-marketing-tdm.php?q=3245v274891yT

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