

SFI weekly newsletter for the week of June 29, 2009
A weekly service of SFI

NOTE: There will be no newsletter next week.



SFI NEWS AND ANNOUNCEMENTS

1. SFI Sustainability Poster Session thanks presenters

SUSTAINABILITY NEWS

1. Dow Corning CEO talks solar power with President Obama
2. Dow Chemical In Algae Ethanol Venture
3. It's Now Legal to Catch a Raindrop in Colorado

FUNDING & AWARD OPPORTUNITIES

1. Michigan to receive \$1 billion in ARRA funds for energy efficiency and renewable energy
2. DOE Grant for Local-Level Solar Installer Training

JOBS & POST DOCS, INTERNSHIPS, FELLOWSHIPS, and SCHOLARSHIPS

1. Novo Nordisk Foundation Center for Protein Research (CPR) Faculty of Health Sciences, U. of Copenhagen
2. PhD student positions open for data communication, computer networks and distributed systems
3. Resource Center Manager, AASHE
4. Instructor, Sustainable Sciences, Maui CC
5. Faculty, Environmental Science, Zane State College
6. Membership Coordinator, AASHE
7. Sustainability Coordinator, U Kentucky
8. Campus Energy Manager, Virginia Tech
9. ED, Fowler Ctr for Sustainable Value, Case Western Reserve U

NEW RESOURCES

1. *Sustainability*: New open access Journal
2. A Fishermen's Phone Book--The National Saltwater Angler Registry to determine fish numbers

EVENTS & CONFERENCES

1. CFP--Organic Agriculture Limitations and Future--Cairo, Egypt--October 2010
2. CFP--2009 PhD Sustainability Academy--Design for Sustainability—London, Ontario Oct 22-27, 2009
3. Webinar on Eliminating Phantom Loads July 15, 2009; 2 – 3:30pm Eastern; Online
4. Webcast: Measuring the Real Cost of Parking & Alternative Transportation Options July 28, 2009; 1-3pm
5. Registration Open - Conference on Sustainable Laboratories September 22-24, 2009; Indianapolis, IN
6. As Good as New: Product Design and Remanufacture July 20, 09 12:00 - 14:00 U. for the Creative Arts, UK
7. 7th Annual Pacific Conference on Sustainable Energy and Environmental Technologies (APCSEET 2009) in beautiful Qingdao, China

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.

SFI NEWS AND ANNOUNCEMENTS

1. SFI Sustainability Poster Session



SFI wishes to thank those who participated in SFI's Sustainability Poster Session and luncheon at the Memorial Union held in conjunction with our recent Advisory Board (SFAB) meeting. Once again, and without much notice, over 30 students graciously volunteered to show their posters and be on hand to show the SFAB and the Michigan Tech campus the wide range of innovative research on the theme of sustainability. Poster sessions represent a vital opportunity for student research to gain visibility beyond the confines of the classroom and into the real world.

At right, IGERT student Michael Brodeur-Campbell is describing his research into second generation biofuels to SFAB member Mark Mleziva, director of sustainability efforts at Kimberly-Clark Corporation.

SUSTAINABILITY NEWS

1. Dow Corning CEO talks solar power with President Obama



Stephanie Burns, CEO of Midland-based Dow Corning Corp., met last week with President Barack Obama as part of a roundtable on business innovation and renewable energy. Burns was one of several business leaders Obama invited to the White House for the meeting. The corporation and its Saginaw-based subsidiary, Hemlock Semiconductor Corp., are heavily involved in the emerging solar energy industry. Burns visited Washington, D.C., last week with 10 Dow Corning customers to lobby for a plan to foster the solar industry the United States. Less than 1 percent of U.S. energy is solar generated.

Burns is promoting a four-part plan that calls on the government to do the following:

- * Enact a broad legislative and regulatory package to encourage the growth of the renewable energy industry and encourage consumer use.
- * Increase investment in research and development solar energy technologies.
- * Increase renewable energy-related education, training and job creation.
- * Have the government take the lead in using clean-energy technologies.

Dow Corning's silicon-based materials are used in solar cell manufacturing, solar module assembly and installation. In the past five years, Dow Corning and Hemlock have announced investments of more than \$5 billion to research, develop and expand production of solar materials. The meeting was the latest in a series of small-scale roundtables that the President is hosting and included Department of Energy Secretary Steven Chu, Environmental Protection Agency Administrator Lisa P. Jackson and several other CEOs of renewable energy companies at the White House.

To learn more about Dow Corning's efforts to promote a comprehensive energy policy that will support the growth and success of a vibrant American solar energy industry visit www.dowcorning.com/solarpolicy.
<http://www.wj.com/Dow-Corning-CEO-Talks-Solar-Power-With-Obama/4737732>

2. Dow Chemical In Algae Ethanol Venture

Midland-based Dow Chemical Co. (NYSE: DOW) Monday said it plans to work with Bonita Springs, Fla.-based Algenol Biofuels Inc. to build and operate a pilot-scale algae-based integrated biorefinery that will convert carbon

dioxide into ethanol. The facility is planned to be located at Dow's Freeport, Texas site.
<http://www.wwj.com/pages/4699426.php>

3. It's Now Legal to Catch a Raindrop in Colorado



New laws allow residents to begin rainwater harvesting legally, a practice that water rights laws once prohibited. The laws are the latest crack in the rainwater edifice, as other states, driven by population growth, drought, or declining groundwater in their aquifers, have already opened the skies or begun actively encouraging people to collect. New York Times | June 29, 2009 By Kirk Johnson.

At right: Todd S. Anderson used to keep his rain harvesting a secret.

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. Michigan to receive \$1 billion in ARRA funds for energy efficiency and renewable energy

Michigan will receive approximately \$1 billion in American Recovery and Reinvestment Act (ARRA) funds for energy efficiency and renewable energy. DELEG's Bureau of Energy Systems is charged with coordinating ARRA funds in a number of energy-related programs including an expanded State Energy Program, Energy Efficiency Conservation Block Grant Program (EECBG) Program, and Energy Efficient Appliance Rebate Program. Further details will be made available on the state's website at www.michigan.gov/recovery.

2. DOE Grant for Local-Level Solar Installer Training

Award Ceiling: \$6,000,000 Award Floor: \$100,000

Energy Efficiency and Renewable Energy Information Dissemination, Outreach, Training and Technical Analysis/Assistance Cost Sharing required

The U.S. Department of Energy (DOE) has announced a new funding opportunity under the American Recovery and Reinvestment Act of 2009 to expand solar photovoltaic (PV) and solar heating and cooling (SHC) system installer training. DOE has allocated a total of \$27 million to expand training and professional development to instructors who are creating or improving existing training courses for their local PV or SHC installation workforce. The funding opportunity is open to all domestic institutions and entities. The closing date for applications is July 30, 2009.

<http://www07.grants.gov/search/search.do?oppld=47586&flag2006=false&mode=VIEW>

JOBS & POST DOCS & INTERNSHIPS, FELLOWSHIPS, SCHOLARSHIPS

1. Novo Nordisk Foundation Center for Protein Research (CPR) at the Faculty of Health Sciences, U. of Copenhagen

The centre comprises a range of expertise and skills, including in silico target identification, proteomics, high throughput protein production, chemical biology, disease biology, protein therapeutics and protein drug delivery and bioinformatics. For further information:

<http://www.bioinfo.com.br/modules.php?name=News&file=article&sid=707>

2. PhD student positions open for data communication, computer networks and distributed systems

We are looking for skillful and hard working candidates with high academic credentials/results for PhD student positions within the area of data communication, computer networks and distributed systems at SimTel Innovation, a joint research project between Simula and the telecom operator, Telenor.

The PhD positions are targeted at the following research topics: Peer-to-Peer (P2P), overlay networking, Multi-link access, Cognitive radio and dynamic spectrum access, with focus on higher layers. Applications should be submitted by July 31st 2009.

We offer a competitive salary that reflects that we are hand-picking only top candidates. The successful candidate should not need additional funding. SimTel Innovation holds office at Simula Research Laboratory, a 15 minutes drive from the center of Oslo, Norway. The chosen PhD candidates will be enrolled in the 3-year PhD-program of the Simula School of Research and Innovation. The PhD degrees will be awarded by the University of Oslo. Details can be checked at

<http://www.scholarships-links.com/viewdetail/id/554/Fully-financed-PhD-student-positions-within-data-communications-and-networking-at-SimTel-Innovation-.html>

3. Resource Center Manager, AASHE

AASHE is hiring a Resource Center Manager to lead the ongoing development and operation of its interactive, online Resource Center. The successful applicant will ensure that the Resource Center meets members' needs and provides membership value, oversee implementation of technical tools and online resources that will facilitate member interaction and allow members to contribute content to the site (including interactive forums, blog posts, and existing and planned resources); assist in the production of AASHE publications, including the AASHE Bulletin, AASHE Digest, and how-to guides; develop metrics to measure member value and communicate the impact of the Resource Center; and transition the American College & University Presidents' Climate Commitment Reporting System to a broader reporting system that allows all higher education institutions in the U.S. to report their greenhouse gas emissions and climate planning efforts. A Bachelor's degree and experience developing and publishing content are required. Review of applications will begin on July 3, 2009, and will continue until the position is filled. <http://www.aashe.org/jobs/resource-center-manager>

4. Instructor, Sustainable Sciences, Maui CC

University of Hawaii Maui Community College seeks an instructor to be responsible for developing a new program in Sustainable Sciences that focuses on alternative energy applications and solutions. S/he will also be tasked with teaching lower division and upper division courses in multiple areas of Energy, Environmental Sciences, Natural Resource and Environmental Management, Natural Science, and/or Engineering. A Ph.D. in Engineering, Natural Science, Natural Resources and Environmental Management or a related field is required.

<http://chronicle.com/jobs/id.php?id=0000601867-01&pg=s&cc=>

5. Faculty, Environmental Science, Zane State College

Zane State College (OH) seeks a faculty position in Environmental Studies to: facilitate learning through providing learner-centered classroom and web-based instruction; advise students and evaluate their performance; participate in curriculum development; assess learning outcomes; and maintain records. A Master's degree with emphasis in environmental biology, field biology, wildlife biology, conservation biology, ecology, fisheries science, or closely related field of study is required. The position is open until filled.

<http://www.higheredjobs.com/search/details.cfm?JobCode=175379153>

6. Membership Coordinator, AASHE



AASHE seeks a Membership Coordinator to carry out a range of membership duties from communication and recruitment to data processing and analysis. Responsibilities will include processing new and renewing memberships, coordinating communications related to membership, managing all membership-related data, responding to member inquiries and requests, generating and distributing scheduled

membership reports, and updating and enhancing AASHE's membership web pages. An Associate's or Bachelor's degree is preferred, as is a background and interest in sustainability in higher education. The Membership Coordinator will work in AASHE's business office in Lexington, Kentucky. <http://www.aashe.org/jobs/membership-coordinator>

7. Sustainability Coordinator, U Kentucky

The University of Kentucky invites applications for a position as the Sustainability Coordinator. Under the direction of the Vice President of Facilities Management, the Sustainability Coordinator will incorporate and enhance sustainability across the University. Other responsibilities will include assisting the Vice President for Facilities Management in defining goals, performance metrics, and long and short-term strategic plans for sustainability; developing, planning, coordinating, and implementing activities including, but not limited to, seminars, conferences, workshops, short courses, clubs, shows, and public events related to sustainability; and serving as the university-wide sustainability liaison to publicize, promote, and communicate UK's sustainability efforts within and outside the campus community. A Bachelor's degree and four years of related work experience are required. <http://www.uky.edu/HR/UKjobs/>

8. Campus Energy Manager, Virginia Tech

Virginia Tech is seeking a Campus Energy Manager to develop and maintain a comprehensive energy management plan for the University that provides proper environmental conditions with cost effective energy utilization. As a member of Facilities Services' Office of Sustainability, the Energy Manager will work with the Sustainability Program Manager to help advance the Virginia Tech Climate Action Commitment and Sustainability Plan. The successful candidate should have an advanced engineering degree or training and work experience that equates to an advanced engineering degree. A professional designation of Certified Energy Manager (CEM) is required within six months of accepting the position. Review of applications began June 29, 2009 and will continue until the position is filled. <https://listings.jobs.vt.edu/applicants/jsp/shared/frameset/frameset.jsp?time=1246901886206>

9. ED, Fowler Ctr for Sustainable Value, Case Western Reserve U

The Case Western Reserve University (OH) Fowler Center for Sustainable Value seeks and Executive Director to provide national and international leadership in the formation of strategic partnerships and alliances with industry, government, and other academic institutions as the cornerstone of the center's approach. The ED will also identify, target, and secure significant funding opportunities from private and public sectors. Additional responsibilities include the development of a long-term strategic plan to guide the Center activities. A Master's degree and a minimum of 10 years of experience in managerial or executive leadership positions with part of the experience being in both academic institutions and corporations are required. https://blog.case.edu/human-resources/employment/executive_administrative/

NEW RESOURCES

1. *Sustainability*: New open access Journal



About *Sustainability*: Sustainability is an international, peer-reviewed Open Access journal of environmental, cultural, economic and social sustainability. This journal provides an advanced forum for studies related to sustainability and sustainable development. Sustainability is published by MDPI online quarterly and available at

<http://www.mdpi.com/journal/sustainability/>.

Because it is an online journal, papers published in Sustainability will receive very high publicity. Open Access publication fees will be waived for well-prepared manuscripts submitted in 2009.

The first two issues are available online:

- Sustainability, Volume 1, Issue 1 (March 2009), Pages 1-96 <http://www.mdpi.com/2071-1050/1/1>
- Sustainability, Volume 1, Issue 2 (June 2009), Pages 97-334 <http://www.mdpi.com/2071-1050/1/2>
(<http://www.mdpi.com/journal/sustainability/>, ISSN 2071-1050),

These issues include several articles from special editions on "Atmospheric Pollution", "Green Chemistry for Environment and Health", "Renewable Agriculture" and "Sustainable Water Management". A list of special editions that are in preparation is available at <http://www.mdpi.com/journal/sustainability/sections/>.

If you wish to receive notifications of the release of forthcoming issues of this journal, you may simply add your e-mail address to <http://www.mdpi.com/journal/sustainability/toc-alert/>.

2. A Fishermen's Phone Book--The National Saltwater Angler Registry to determine fish numbers

Come January, saltwater sport fishermen will be required to give the National Marine Fisheries Service their name, address and phone number so they can be interviewed. Interviews are intended to determine how commercial and sport fishing affects fish numbers. <http://www.nytimes.com/2009/06/29/opinion/29mon3.html?emc=eta1>

EVENTS & CONFERENCES & CALL FOR PAPERS (CFP)

1. CFP--Organic Agriculture Limitations and Future--Cairo, Egypt--October 2010



The objectives:

- Identify and evaluate organic agriculture problems in different areas.
- Report on previous and current research as well as future work needed.
- Establish a set of practices and technique to maintain high productivity.
- Discuss collaborative possibilities of researchers

Participation time table: - March 2010 dead time of receipt of abstracts

All Correspondence should be addressed to Prof. Dr. A. M. Elgala, Chairman of the Organizing Committee

Department of Soil Science, Faculty of Agriculture, Ain Shams University.

P.O. Box.68 Hadayek Shobara, 11241, Cairo, Egypt.

Fax. (202) 44444460 Mobile: 0105010224, 0102892217

Email: aelgala@yahoo.com, elbordiny5@yahoo.com

2. 2009 PhD Sustainability Academy on the theme of Design for Sustainability—London, Ontario Oct 22-27, 2009

Call for Papers—Deadline for abstracts: August 1, 2009



The Richard Ivey School of Business at the University of Western Ontario and the Alliance for Research on Corporate Sustainability, in collaboration with the Research Network for Business Sustainability and the oikos Foundation for Economy and Ecology announce their 2009 PhD Sustainability Academy. The theme of the 2009 PhD Sustainability Academy is

Design for Sustainability.

The Academy immerses participants in a multidimensional understanding of sustainability issues through interactive dialogue with leading faculty and leading practitioners and accomplished teachers grappling with sustainability issues.

The Academy invites submissions based on emergent ideas and working manuscripts, or more advanced manuscripts that may already be under review but have not currently been accepted for publication. All applicants must be currently enrolled in a doctoral program. To learn more, visit the Academy web site--

<http://www.ivey.uwo.ca/centres/building/outreach/PhDAcademy/>

3. Webinar on Eliminating Phantom Loads July 15, 2009; 2 – 3:30pm Eastern; Online



EYP will host "Become a Carbon Zero Hero: Vanquish the Phantom Load Villain," a webinar on decreasing the energy consumed by plug-in electronic devices that use electricity while not in operation. The online seminar will summarize power-management strategies for reducing phantom-loads based on comprehensive on-site audits of more than 15 college campuses and will use audit data to analyze specific phantom-load usage by key higher education constituents and programs, such as staff, faculty, dormitories, and computer labs and libraries. The presentation will also feature examples of student-led energy conservation campaigns, including the University at Buffalo's "Do It In the Dark" campaign. <https://www2.gotomeeting.com/register/621236970>

4. Webcast: Measuring the Real Cost of Parking & Alternative Transportation Options

July 28, 2009; 1-3pm Eastern; Online

Academic Impressions will host "Measuring the Real Cost of Parking and Alternative Transportation Options." The webcast will include lessons on assessing current parking demand and transportation behaviors; measuring the impact of transportation demand management; determining future parking demand and costs of new parking; assessing the most cost-effective mix of investments in parking, transit, bicycle, and pedestrian facilities; gathering ideas for how to accommodate future growth on campus; and gathering ideas for multiple sources of revenue to finance transportation program. The webcast is designed for professionals from parking and transportation, campus security/public safety, campus planning, sustainability coordinators and advocates, and facilities management. http://www.academicimpressions.com/web_conferences/0709-transportation-investments.php?q=3246v274891yT

5. Registration Open - Conference on Sustainable Laboratories September 22-24, 2009; Indianapolis, IN

The International Institute for Sustainable Laboratories has opened registration for its Labs21 2009 Annual Conference. The event will include a parallel reception with Ball State University's and AASHE's "Greening of the Campus VIII: Embracing Change" conference; keynote speaker John C. Lechleiter, CEO of Eli Lilly; open discussion, and presentations on laboratory operations and maintenance, research and development campuses' sustainability efforts and the need for investors/developers, laboratory security, and combined heat and power. A discounted registration is available for those attending Greening of the Campus VIII. Early registration ends July 20, 2009.



<http://www.i2sl.org/labs21/conference/registration.html>

6. As Good as New: Product Design and Remanufacture July 20, 09 12:00 - 14:00 U. for the Creative Arts, UK

Casper Gray & Damien Jones, Directors, Wax RDC Organised by: SMILE @ The Centre for Sustainable Design
FREE workshop
Abstract

Increasingly stringent Extended Producer Responsibility legislation is making the consideration of End-of-Life (EoL) treatment a priority for designers, manufacturers, recyclers and governments across the globe. Common EoL treatments such as the shredding of products for recycling can result in low value recycle streams and does not extract the maximum value from EoL products.

Remanufacture is an exciting strategy for the profitable and environmentally sensitive treatment of EoL products. A remanufacturing system collects EoL products, returns them to their original condition then retails them at an as-new price. Remanufacture results in the extension of a product's life and promotes the re-use of components and materials. It is a means of generating profits, preventing waste and conserving valuable natural resources.

Wax is a design consultancy with experience in developing products and systems optimised for remanufacture. Wax uses their unique D4Reman process to enable organisations to understand and implement remanufacturing systems, focused on maximising long-term Return-on-Investment whilst making significant environmental improvements.

<http://www.cfsd.org.uk/> The document reflects the author's views. The INTERREG IVA 2Seas Programme Authorities <<http://www.interreg4a-2mers.eu/UK/accueilUK.html>> are not liable for any use that may be made of the information contained therein

7. 7th Annual Pacific Conference on Sustainable Energy and Environmental Technologies (APCSEET 2009) in beautiful Qingdao, China

Deadline Extended

Due to high demand, the abstract submission deadline has been extended to July 30, 2009. Don't miss out on the opportunity to present your abstract at 7th APCSEET 2009. These 7th APCSEET paper will be peer reviewed and published as a special issue in *Catalysis Today* (2008 Impact factor 3.004) and *Energy & Fuels* (2008 impact factor 2.056). To submit an abstract, please visit: <http://apcseet2009.upc.edu.cn/paperSubmission.htm>