

SFI weekly newsletter for the week of October 26, 2009
A weekly service of SFI



SFI NEWS AND ANNOUNCEMENTS

1. SFI Speaker Series Presents Dan Davison Tuesday Nov 3 at 2:00 Rekhi Hall GO6
2. New Course— SS5635, International Environmental Diplomacy and Law
3. World Usability Day Comes to Michigan Tech Nov 12th. The theme is “Designing for a sustainable world.”

SUSTAINABILITY NEWS

1. U.S. Congress last night approved a precedent-setting \$475 million Great Lakes restoration initiative

SEMINARS

1. Mark Rouleau, Social Sciences Monday, November 9, 2009
2. Free Radical Chemistry of Chloropicrin: Linking Chemistry, Kinetic Modeling And Possible Health Effects

JOBS & POST DOCS, INTERNSHIPS, FELLOWSHIPS, and SCOLARSHIPS

1. ECI Senior Research Fellow in Environmental Governance University of Oxford

EVENTS & CONFERENCES

1. A Green Midwest - A Blue Midwest--2nd Annual Globalization and the Midwest Conf Chicago, Nov 9, 2009
2. Blue Economy: Turning Michigan's Fresh Water into Renewed Prosperity, Tues, Nov 10 7:15 a.m.-9:30 a.m.
3. Great Lakes Regional Collaboration Public Call --November 17, 2009

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 Speaker Series Presents Dan Davison Tuesday Nov 3 at 2:00 Rekhi Hall GO6

The Millennium Model Research Foundation: A Socio-Economic Model For A Sustainable Future



The slogan of the Millennium Model Research Foundation is “Building 1000 Self-Sustainable Communities on Principles that last for 1000 Years.” The presentation will quickly lead the audience through the need to embrace philosophies of The Moral Explosion, which describes the philosophy for sustaining the human community, and then describes the practical enterprise model to support the community. Together, these will form the social-economic base for 1000 Self-Sustainable Communities as given in the business description of Double Helix Management Services Ltd. The talk will describe the immediate implementation of 10 Self-Sustainable Communities and how those communities are expected to develop 10 more with an additional round of development through the leadership and education arm of The Millennium Model Research Foundation.

Dan Davison has held international corporate executive and management positions in the industries of energy; food, farm and facilities; transportation and communications; currency and banking; health and wellness; education and training. He has most recently started a new company called Double Helix Management Systems Ltd. as the financial arm of his non-profit foundation called "The Millennium Model Research Foundation." The monetization and capitalization are based on gold bullion and 6 infrastructure industries reflecting absolute values for everyone involved with global impact, and will be launched in late 2009. The foundation and investment management firm were formed as part of a unique monetization and capitalization system devised by Davison, which are themselves designed to support the implementation and construction of 1000 self-sustainable communities. The communities are to be established on different continents and each community will accommodate at least 10,000 persons. See sfi.mtu.edu

1. New Course— SS5635, International Environmental Diplomacy and Law

Prof. Mary Durfee will be offering SS5635, International Environmental Diplomacy and Law, in the Spring. It will be MWF 11:05-11:55. CRN is 13483. Covers main international agreements, how they are negotiated, implemented, whether the agreements are effective. There is also a SS3650 number for the course, but you must have taken an undergrad course in public international law or had substantial coverage of that topic. The graduate version will provide a few readings/problems on fundamentals of public international law to close that gap.

She also intends to teach, for the first time in many years, International Environmental Technology Policy in Track B of the summer. This course is at the 3000 level. Unlike 5635, this course is oriented to the comparative public policy of US, Canada, EU, Japan and entails a consideration of policies based on innovation as well as on environmental regulation.

2. New Course-- Special Topics in Natural Resources – Spring 2010

FW 5510 - Special Topics in Natural Resources Soil Biogeochemistry

The course studies the relationship between soil composition and biogeochemical cycles of the elements. Responses of biogeochemical processes in agricultural, forest, and wetland soils to changes in landuse, biodiversity, nutrient supply, plant stressors, and climate change will be discussed. Specific topics include chemical and biological roles in the cycling of carbon, nitrogen, inorganic nutrients, and metals in soils and generation of climate-forcing gases by microbial transformations of carbon and nitrogen substrates. Lecture: 3 credits Prerequisite: CH 1150

Required Text: Paul, E.A., Soil Microbiology, Ecology, and Biochemistry, Academic Press, New York, 2007.

3. World Usability Day Comes to Michigan Tech November 12th The theme is "Designing for a sustainable world."

Call for Posters—If you have a poster that depicts a design for a sustainable product or concept, please contact Karla Saari Kitalong at kitalong@mtu.edu (906-487-3454) by November 3rd. Posters will be on display on November 12th, as will digital photos of designs depicting articles that have been re-used, re-cycled, or that reduce consumption. The day will include a paper prototyping interactive demo and brown bag lunches. Stay tuned for further announcements.



SUSTAINABILITY NEWS

1. U.S. Congress last night approved a precedent-setting \$475 million Great Lakes restoration initiative

October 30, 2009 ANN ARBOR, MICH.—The U.S. Congress last night approved a precedent-setting \$475 million Great Lakes restoration initiative, sending to President Obama a bill that essentially doubles funding for programs that address some of the most urgent threats to the Great Lakes—the largest supply of surface fresh water in the world.

The Great Lakes Restoration Initiative will receive \$475 million as part of the Interior and Environment Appropriations Act of 2010. The initiative invests in solutions to stop aquatic invasive species that cost the region at least \$200 million annually in damage and control costs; clean up contaminated sediments that pose a threat to the health of people and wildlife; and restore wetlands and other habitat that protects water quality, prevents flooding and is the foundation of the region's outdoor economy. The Brookings Institution found that the eight-state Great Lakes region stands to gain at least \$2 in economic benefit for every \$1 invested in Great Lakes restoration. For more information, visit: <http://www.healthylakes.org/> www.nwf.org/greatlakes

SEMINARS

1. Mark Rouleau, Social Sciences Monday, November 9, 2009

Environmental Engineering Seminar Series Dow 642 3:00 pm

2. Free Radical Chemistry of Chloropicrin: Linking Chemistry, Kinetic Modeling And Possible Health Effects

William Cooper, Director of Urban Water Resources Center (CEE), UC, Irvine

Environmental Engineering Seminar Series Dow 642 3:00 pm Monday, November 16, 2009

View Abstract at http://www.mtcws.mtu.edu/pdf/2009-10_Cooper_Title%20and%20Abstract.pdf

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

1. ECI Senior Research Fellow in Environmental Governance University of Oxford

Salary: £36,532 to £43,622pa

The Environmental Change Institute (ECI) is looking for a high caliber candidate to work at the forefront of emerging research. This exciting new opportunity will take forward ECI's research vision and strategy in the area of Environmental Governance. The Fellow will address formal and informal institutions and organizations across the public, private and non-governmental sectors, and research the links between environmental governance and other forms of governance (corporate, state and community). Topics covered might include the development of novel methods and instruments to understand environmental governance as it relates to climate change, land degradation and deforestation. You will work with ECI senior staff on the development and implementation of innovative, cross-cutting and interdisciplinary research and teaching. Applicants must have a doctoral degree (or exceptionally an MSc and appropriate work experience) and at least five years postdoctoral research experience. The post is fixed term up to three years based at, the School of Geography and the Environment, University of Oxford, South Parks Road, Oxford OX1 3QY, UK,

For further information please see the further particulars <<http://www.eci.ox.ac.uk/news/vacancy/091130-seniorfellow.pdf>> or by contact the HR Office on 01865 285082. Informal enquiries should be addressed to the ECI Deputy Director, Steve Morgan, at steve.morgan@ouce.ox.ac.uk <<mailto:steve.morgan@ouce.ox.ac.uk>> Closing date is noon on 30th November 2009. <http://www.eci.ox.ac.uk/news/vacancy/091130-seniorfellow.php>

EVENTS & CONFERENCES

1. A Green Midwest - A Blue Midwest--2nd Annual Globalization and the Midwest Conf Chicago, Nov 9, 2009

A Green Midwest - A Blue Midwest

Second Annual Globalization and the Midwest Conference Chicago, Illinois

For more information and to register for the conference go to:

http://www.thechicagocouncil.org/chicago_council_event_corporate_detail.php?eventid=2106

Sponsored by: The Brookings Institution Metropolitan Policy Program, the Chicago Council on Global Affairs- Global Midwest Initiative along with the Natural Resources Defense Council (NRDC) and the Shedd Aquarium

2. Blue Economy: Turning Michigan's Fresh Water into Renewed Prosperity, Tues, Nov 10 7:15 a.m.-9:30 a.m.

Fairlane Center-University of Michigan, Dearborn

Presented by The Engineering Society of Detroit Institute, WWJ Newsradio 950, the Uof M-Dearborn

Moderated by Matt Roush, WWJ Newsradio 950

<http://www.wwj.com/Blue-Economy---Turning-Michigan-s-Fresh-Water-Into/5510443>

3. Great Lakes Regional Collaboration Public Call --November 17, 2009

The Great Lakes Regional Collaboration Executive Subcommittee wishes to announce that it will hold its next Public Call on Tuesday, November 17, 2009 by teleconference from 2 pm to 3 pm Central Time. The Agenda and additional details will be announced shortly. GreatLakesNews is hosted by the Great Lakes National Program Office

of USEPA: <http://www.epa.gov/glnpo/>