

ISIE Section News

MFA Section Announces First Elections

Daniel Mueller (daniel.mueller@ntnu.no)

Helga Weisz (Helga.Weisz@pik-potsdam.de)

A call for nominations is now open to all current Material Flows Analysis (MFA) Section members. If you are interested in being a member, visit <http://is4ie.org/topicalsections>.

The MFA Section has an interesting and decisive period ahead in which we have the opportunity to formulate goals, design activities to reach them, and to establish ourselves as an active network and a committed partner for industry and government organizations in supporting policy making for sustainable development.

If you are interested in contributing actively to this new Section, please send your nomination, including a CV and a short statement (one paragraph) about your qualifications to Daniel (daniel.mueller@ntnu.no) and Helga (weisz@pik-potsdam.de) by 22 September. The Board for the next term will consist of five members, and include a Chair, a Vice Chair, a Secretary, and a Treasurer. You may nominate yourself to sit on the Board and you may also submit a nomination for the Chair.

Section leaders will email ballots with all nominations and these must be returned by 22 October. ISIE Program Coordinator, Melanie Quigley, and another independent person will act as official tellers, and will announce the election results to MFA Section members.

If you have any questions regarding the nomination or election procedure, please contact the MFA Section leaders Daniel Mueller and Helga Weisz.

Eco-Industrial Development/Industrial Symbiosis Section Launched

Peter Lowitt

(MDFAPLowitt@Massdevelopment.com)

The Eco-Industrial Development /Industrial Symbiosis Section of the ISIE was formally launched during the Lisbon Conference in June. The new Section brings together practitioners and academics to advance the cause of industrial symbiosis or eco-industrial development throughout the world. If you are interested in this field, are a practitioner or an academic, we invite you to join the Industrial Symbiosis/Eco-Industrial Development Council, ISIE's newest affiliate.

At future ISIE conferences, members from our Section will serve as moderators for industrial symbiosis presentations.

The ISIE website offers Section members access to a variety of information, including:

- Recent publications: Authors may submit recently accepted/published articles with full reference and abstract (if legal).
- Research proposals: This category includes Requests for Proposals and Qualifications (largely fed by practitioners).
- Funding collaborations: Here you may post information about opportunities for project collaboration. Listings include project title, outline, deadline, and contact information for anyone interested in being part of the project.
- Related events: Conferences, workshops, and other events may be posted here. Listings include organizers, time, date, location, preliminary program or call for proposals submitted in

continued page 2

Editor's Note: As most of you know John Ehrenfeld stepped down from the Executive Director's seat at the end of July. His service to industrial ecology and to our Society cannot be overstated. His day to day input will be missed.

Ehrenfeld Steps Down

John Ehrenfeld (John.Ehrenfeld@alum.mit.edu)

At the ISIE meeting in Lisbon, I announced my retirement as Executive Director of the Society as of July, 31, 2009. I have served in this capacity since the Society was formed in 2000. I leave with a deep sense of appreciation for having had this opportunity to follow a "normal" retirement with a most rewarding pursuit. I leave the Society in very good hands. We are learning how to operate without filling this office. The governance of the Society will pass entirely to the elected officials and the many volunteers serving on committees. We are extraordinarily fortunate to have Roland Clift as our current President. Roland has hit the ground running (as he always does), and already has started to shape our systems for the future. Melanie Quigley, in New Haven, CT, and Heather Shaw, in Surrey, UK, will be running our offices and supporting the governance team.



We have just completed a very successful Conference in Lisbon in June. The attendance exceeded that at any previous meeting. Our membership continues to grow in numbers and in diversity with members from every corner of the globe. The Journal of Industrial Ecology was informed that the impact factor is now just over 2. The number of publications concerning industrial ecology is rapidly growing, an indication of the continuing development of the field. Our two new Sections are gathering momentum, and we have inquiries about forming several more. The Student Chapter continues to be very active in organizing activities for their membership.

I cannot thank everyone who has contributed to our development over these almost 10 years individually. There are simply too many. As I told the audience in Lisbon, I intend to remain an active member of the industrial ecology community and hope to see many of you in the future.

Eco-Industrial Development continued

pdf or other format easy to download. Check here for information on the 2010 Industrial Symbiosis Research Symposium.

- Links: Relevant sources organized by continent/country.

The Section now has a bylaws committee as well as a nominating committee and we expect to conduct elections in 2010. Section membership <http://www.is4ie.org>

is available for \$25 per year or \$50 for a two year membership. For more information go to <http://www.is4ie.org/> and click the About ISIE link to go to the Sections area.

Many thanks to
Tom Graedel
and his wife
for their recent
generous donation
to ISIE.



Tom is a founding member of the ISIE and his generosity is much appreciated, as is that of others.

The ISIE is a non-profit organization. Our income is derived from membership fees and conference proceeds. We offer help to students and participants from the developing world through scholarships raised through gifts and donations. Consider donating today! All US donations are tax deductible.

Donating to the ISIE is simple - just follow the link at the bottom left of the main ISIE webpage <http://www.is4ie.org> or contact Melanie Quigley (001) (203) 432-6953

Many persons have a wrong idea of what constitutes true happiness. It is not attained through self-gratification but through fidelity to a worthy purpose.

—Helen Keller

Ramaswamy Legacy Continues with Rainwater Harvesting

Mak Dehejia (mdehejia@gmail.com)

ISIE Member Ramesh Ramaswamy, who passed away last year, was instrumental in pushing industrial ecology in the developing world, most specifically through the Resource Optimization Initiative (ROI). A direct outcome of his work is the recent news from Bangalore that all new construction of 1200 ft² or more will be required to install a rainwater harvesting system. This will help address the increasingly stressed water supplies in this region.

For more information on the ROI, go to <http://www.roi-online.org> or click on the Resources link on the ISIE website <http://www.is4ie.org>.

Announcing the New Korean Society for Industrial Ecology

Sangwon Suh (sangwon@umn.edu)

The Korean Society for Industrial Ecology (KSIE) was launched on 15 July, and I delivered the congratulatory address at the beginning of the meeting on behalf of Roland Clift. The message from ISIE was received well and mentioned a few times by other speakers later in the event. The event drew around 250 participants across the nation. The KSIE is aiming at promoting industrial ecology in science, policy, education and industrial practices. The Society is planning to launch a quarterly journal in Korean on industrial ecology. Prof. Suk-Woong Moon of Kyong-Sung University was elected to be the first president. I participated, as a guest, in the first KSIE board meeting right after the launching event, and during the meeting the board and the KSIE president expressed their interest in organizing the 2013 ISIE conference in Korea. I noted the importance of broadening the ISIE membership base in Korea. The KSIE also expressed their willingness to actively participate in and cooperate with the ISIE in the future. I called for the KSIE's participation to the 2010 Gordon Research Conference, and the KSIE said that they will announce the GRC schedule via their newsletter and mailing list.

Mark your calendar!

Gordon Research Conference 2010

Chair Reid Lifset and Co-Chair Sangwon Suh are busy planning the next Gordon Research Conference to be held 11-16 July 2010 at Colby Sawyer College in New London, New Hampshire, USA. The theme is "From Analysis to Design" and the preliminary program will be posted in early December at <http://www.grc.org/programs.aspx?year=2010&program=industeco>

Just prior to the main conference there will be the Gordon-Kenan Research Seminar on Industrial Ecology. This meeting targets graduate students, post-docs and other researchers with comparable levels of experience. The focus will be on industrial ecology tools and methodologies. Abstracts for this meeting will be due 10 March 2010. For more information go to http://www.grc.org/programs.aspx?year=2010&program=grs_indust



Colby Sawyer College

Conference Reports

1st International Congress of Sustainability Science and Engineering

Xiabo Xue (xix17@pitt.edu)

Neethi Rajagopaian (ner8@pitt.edu)

The American Institute of Chemical Engineers (AIChE) held the First International Congress of Sustainability Science and Engineering (ICOSSE 09) in Cincinnati, Ohio from 9-13 August bringing together businesses, government representatives and academicians to discuss sustainability initiatives. The main purpose of the conference was to provide a platform for sustainability practitioners relating to products, processes and systems in various fields. Focus areas included: industrial sustainability outcomes, sustainability as a scientific paradigm for solutions, measuring sustainability, value chain sustainability, solutions for sustainable power generation and transportation, sustainable material/product designs, sustainable processes from an LCA viewpoint, and standards and science-based guidance for sustainability.

The conference began with a plenary session featuring industrial perspectives of sustainability delivered by business executives. The parallel sessions dealt with core technical issues of sustainability and discussions on energy, power, transportation, architecture, products and processes and means for analyzing systems for sustainability. The poster session was funded by a grant from the US National Science Foundation and provided students an opportunity to showcase their research and interact with industry personnel and academicians alike. The conference hopes to provide a benchmark for the state of sustainability science and hopes to encourage implementation of sustainability measures in industry.

Workshop on Lifecycle Modeling for Renewable Fuel Requirements

Christine Costello (ccostell@andrew.cmu.edu)

The Workshop on EPA Lifecycle Modeling for the Energy Independence and Security Act of 2007 (EISA) was held on 10-11 June in Washington DC. The workshop was organized by the US Environmental Protection Agency (USEPA) and attended by government officials, academics, industry and nonprofit organizations. There were a number of prominent indirect land use researchers in attendance. The primary focus of the workshop was to describe the methods used by the USEPA to determine the lifecycle greenhouse gas (GHG) emissions including direct and significant indirect emissions with an emphasis on emissions from land use changes.

An overview of the methods, scenarios considered, and uncertainties were presented in the first session. Two of the four sessions were concerned with land use change, specifically agricultural modeling and quantification of greenhouse gas emissions due to land use change. Major concerns voiced by attendees were future yield assumptions, assumptions about the use of degraded lands, the intensity of future land use and use of discount rates. The final session covered the analysis of GHG emissions due to biofuel processing and calculation of the baseline for petroleum GHG emissions.

Presentation slides and audio from the workshop are available at <http://client-ross.com/lifecycle-workshop/>

more Conference Reports

Workshop on Product Standards for Sustainability

Anny YuShan Huang (yah@cmu.edu)

The *Toward Product Standards for Sustainability* workshop organized by the American National Standards Institute (ANSI) with support from the U.S. Environmental Protection Agency, was held on 8-9 April in Arlington, VA. It brought together a broad range of experts, advocates, and stakeholders to share insights and discuss the issues and roles of product standards for sustainability. More than 240 people attended the workshop in-person and 100 more participated via a live webinar, representing government, industry, standards developing organizations (SDO), consortia, academia, consumers, and other interested stakeholders.

The workshop consisted of several individual speakers and a roundtable discussion (involving everyone in attendance), plus a series of panels with representatives from SDO, industry, as well as retailers. Key points emerged from the discussions including: recognition of a need for clearly written and science-based standards for reliable certification; mechanisms in standard development that can substantiate claims and reward good performance while incrementally raising the baseline; there is no "one-size-fits-all approach" to standard-setting and conformity assessment in this complex area of sustainability; and solutions will likely come from public-private partnership and collaboration across industry sectors.

Workshop-related presentations and collateral documents posted by participants and contributors as well as other interested parties are available at <http://ansiposts.ansi.org>.

Recent Posts on the Industrial Ecology Blogspot

Join the conversation at <http://industrialecology.blogspot.com/>

Geo-engineering analyzed by the Royal Society, 2 September 2009

Using Solar Power to Extract Oil... 28 August 2009

Mining the Technosphere: a Solution for the Industrial Ecosystem, August 2009

Waste Exchange Initiatives, August 2009

Different results corn ethanol studies explained, 18 August 2009

...and listen to an [interview](#) with ISIE member [Marian Chertow](#) discussing industrial ecology:

<http://www.nhpr.org/node/26421>

Conference/Exhibition Listings

R'09 Twin World Congress
14-16 September 2009, Nagoya, Japan and Davos,
Switzerland

World Forest Institute: Who Will Own the Forest?
14-16 September 2009, Portland, USA

Conference EcoMediterranea
24-25 September 2009, Palma de Mallorca, Spain

Workshop on Land Use & Geospatial Aspects of LCA for
Renewable Energy
27-30 September 2009, Boston, USA

Joint North American Life Cycle Conference
29 September - 2 October 2009, Boston, USA

LARAC Annual Conference and Celebration Awards
7-9 October 2009, Liverpool, UK

Symposium: Best Practice in applied LCA and Carbon
Footprinting
28-29 October 2009, Stuttgart, Germany

Pacific Rim Summit on Industrial
Biotechnology & Bioenergy
8-11 November 2009, Honolulu, USA

First International Conference on Solid Waste
Management in Bangladesh
9-10 November 2009, Khulna

World Recycling Forum
10-13 November 2009, Shanghai, China

5th International Water Technologies & Environmental
Control Exhibition
17-19 November 2009, Tel Aviv, Israel

3rd International Conference on Eco-Efficiency
Modelling and Evaluation for Sustainability
18-20 November 2009, Egmond aan Zee, the Nether-
lands

The 5th International Conference on Responsive
Manufacturing 2010
11-13 January 2010, Ningbo, China

9th International Electronics Recycling Congress 2010
20-22 January 2010, Salzburg Austria

Sussex Energy Group Conference
25-26 February 2010, Brighton, UK

Asia Pacific Power and Energy Engineering Conference
28-30 March 2010, Chengdu, China

Jobs

Faculty Positions, Corporate Environmental Sustainability, Duke University, USA
Researcher, Institute for Global Environmental Strategies, Japan
Life Cycle Analyst, an unnamed global biofuels company, London, UK or Chicago, USA
Fellows, Initiative for Sustainable Enterprise (iSE), University of Minnesota, USA
Research Assistantships, School of Sustainable Engineering and the Built Environ-
ment, Arizona State University, USA
LCA PhD Student, Institute of Environmental Sciences, Leiden University,
The Netherlands
Research Scientist, Greenhouse Gas Management and Lifecycle Assessment,
Saskatchewan Research Council, Canada
Social Scientists, CSIRO, Australia

More jobs listed at


**See the ISIE website for summaries
and highlights from the June
conference held in Lisbon.**

<http://www.is4ie.org>

International Society for Industrial Ecology

The International Society of Industrial Ecology (ISIE) promotes industrial ecology as a way of finding innovative solutions to complicated environmental problems and facilitates communication among scientists, engineers, policy makers, managers and others who are interested in how environmental concerns and economic activities can be better integrated.

Officers

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Editor, *Journal of Industrial Ecology*—Reid Lifset

ISIE News Editors

Kristan Cockerill, Editor: cockerillkm@appstate.edu
H. Scott Matthews, Conference Reports: hsm@cmu.edu
Edgar Hertwich, Tools & Websites,
edgar.hertwich@ntnu.no
Anthony Chiu, Asia Focus, anthonyfchiu@yahoo.com
Wenjie Liao, Student Chapter, wenjieliao@gmail.com

ISIE News Schedule

<u>Publication Date</u>	<u>Submission Deadline</u>
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Send submissions to the appropriate editor.

International Society for Industrial Ecology

c/o Yale School of Forestry and Environmental Studies
195 Prospect Street
New Haven, CT 06511 USA
Tel +1-203-432-6953 Fax +1-203-432-5556
is4ie@yale.edu
<http://www.is4ie.org>