

2009

Year in Review

2009 was a year of change and continued success for ISIE. Our Executive Director, John Ehrenfeld, retired and the ISIE leadership, under President Roland Clift, has stepped up to fill that void. ISIE hosted another fabulous international conference and celebrated starting new sections within the Society. We supported the LCM2009 event and welcomed a Korean IE Society. The *Journal of Industrial Ecology* continues to gain prestige. This newsletter summarized more than a dozen conferences and workshops demonstrating continued attention to IE-relevant topics. The number of IE-related jobs being posted to the ISIE website and highlighted here is increasing. Educational programs with IE components continue to grow.

It has been a good year and the future appears bright!

***Thank
You***

**to the 2009
ISIE News
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ISIE elections

All ISIE members have received a ballot for the ISIE 2010 elections. Return your ballot by **18 December**. Contact Melanie Quigley with questions: melanie.quigley@yale.edu

Candidates:

Council Members *Nominating Committee*

Clint Andrews	Edgar Hertwich
Paulo Ferrao	Anu Ramaswami
Tsuyoshi Fujita	Julia Steinberger
Shi Lei	Richard Wood
Helga Weisz	Eiji Yamasue

Gordon Research Conference 2010

July will be here before we know it. The 2010 Gordon Research Conference on Industrial Ecology will be **11-16 July 2010** in New Hampshire, USA. The theme is "From Analysis to Design" and the program will be available at

<http://www.grc.org/programs.aspx?year=2010&program=industeco>

Before the main conference there will be a Gordon-Kenan Research Seminar on Industrial Ecology. This meeting targets graduate students, post-docs and other early career researchers. 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



Thinking Ahead

The 6th ISIE conference will be in **June 2011**
in Berkeley, California, USA.

Watch here and the ISIE website for details!

JIE News

Accessing JIE in Developing Countries

Reid Lifset (reid.lifset@yale.edu)

The JIE participates in two international programs, OARE and AGORA, which make scientific journals accessible to researchers in developing countries.

Online Access to Research in the Environment (OARE), is a public-private consortium coordinated by the United Nations Environment Program (UNEP), Yale University, and publishers that provides institutions in 72 least-developed nations free online access to approximately 1,900 full text environmental science research journals published by leading publishers and prestigious scientific societies and associations around the world. Institutions in an additional 30 middle-income nations are provided low cost access through OARE. In addition to research, OARE also provides online access to international scientific search engines.

Access to Global Online Research in Agriculture (AGORA), a sister service to OARE established by the UN Food and Agriculture Organization (FAO) together with major publishers, provides similar access to 1,278 journals in the fields of food, agriculture, environmental science and related social sciences to institutions in 107 countries.

Both services categorize eligible countries as either "Band 1", countries with GNI per capita

of less than \$1,250/year, or "Band 2", countries with GNI per capita between \$1,250 and \$3,500/year. Institutions in Band 1 receive services at no charge. Institutions in Band 2 pay \$1,000/year for access. The income generated from the fees is invested in local training initiatives. Wealthier developing countries such as China, India, and Brazil are unfortunately not eligible.

Access to both OARE and AGORA is available to academic, government, research and non-profit institutions. A member of the organization must register the institution on the OARE web site <http://www.oaresciences.org> or the AGORA web site <http://www.aginternetnetwork.org>. Please consult your library or send an e-mail to OARE or AGORA to find out if your institution is already registered.

The JIE is available through both OARE and AGORA. Access is managed by those organizations, not by the JIE. If you have any questions regarding accessing the JIE, or should you need any further assistance, please write to OARE at adminyale@oaresciences.org or adminunep@oaresciences.org or to AGORA at agora@fao.org

After all anybody is as their land and air is. Anybody is as the sky is low or high, the air heavy or clear and anybody is as there is wind or no wind there. It is that which makes them and the arts they make and the work they do and the way they eat and the way they drink and the way they learn and everything.

—*Gertrude Stein*

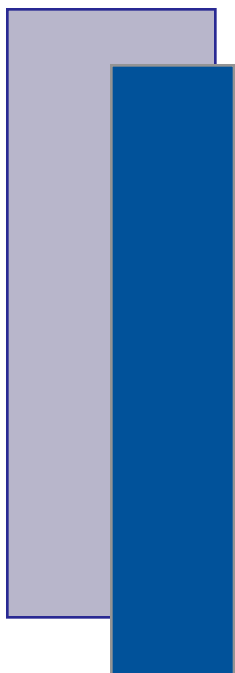
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New Web Platform Coming

Reid Lifset (reid.lifset@yale.edu)

Wiley-Blackwell will be launching a new web platform for electronic access to its journals early next year. As you may have noticed, in the ever-changing world of the internet, existing web platforms (i.e. the entire web site and all its architecture and design) are replaced by new ones as new services and features emerge in the marketplace that demand greater technical functionality and better user interfaces. The JIE changed publishers from MIT Press to Wiley-Blackwell just as Blackwell Publishing and John Wiley and Sons were merging. The result was that the JIE was initially "served" from Blackwell's Synergy platform and then moved to Wiley's InterScience web platform as the journals from both publishers were consolidated on one site.

The new web platform, currently in testing, promises to provide dramatically improved functionality and a myriad of new features. With a change of this scope, it is likely that there will also be some confusion and growing pains. The JIE staff will keep ISIE members updated on changes as they occur.



Websites

Green Art

Kristan Cockerill (cockerillkm@appstate.edu)

I encourage my students to explore sustainability from diverse perspectives, including the artistic. The Green Art website offers a compendium of other websites that feature "the work of creative artists concerned with ecology, environmental art and social issues in their themes or in the techniques..." Examples range from painting to architecture. For more and to see some fabulous artwork, go to <http://www.greenart.info/guide/>

Conference Reports

Editor's Note: There has been much activity in the Asian region and the following conference reports were gathered and submitted by the ISIE News "Asian Focus" editor Anthony Chiu (anthonyfchiu@yahoo.com)

2nd Colombo Plan Training Course on Industrial Ecology and Environment

The Eco-Industry Research and Training Center (IRCT) together with the Faculty of Environment and Resource Studies at Mahidol University, Thailand organized the 2nd International Training Course on Industrial Ecology and Environment. This course was held 6-24 July 2009 and was sponsored by the Colombo Plan Secretariat and the Thailand International Development Cooperation Agency. The training course provided an understanding of the principles and practice of industrial ecology. Participants were from Myanmar, Pakistan, Nepal, Sri Lanka, Laos, Afghanistan, Fiji Island, Bhutan, Indonesia, and Thailand. The course's three main parts included academic lectures, a field trip and presentations from the various countries. This offered participants lessons in industrial ecology concepts as well as practical training and the opportunity for participants to share experiences between countries.

The academic lectures covered diverse topics and included: Introduction to Industrial Ecology, The Future of Industrial Ecology in the Modern World, Eco-Industrial Park, An Overseas Case Study of Industrial Ecology, Life Cycle Assessment, Eco-Design, Industrial Process Residues, Carbon Label, and Eco-Efficiency. These were delivered by invited lecturers from academic sector and private companies. The opening lecture was given by ISIE Member Professor Anthony SF Chiu, Chairman of Asia Pacific Round Table for Sustainable Consumption and Production. Dr. Kitikorn Charmondusit, Director of the Eco-IRCT, lectured on Eco-Efficiency and its applications.

On the field trip participants were able to visit the Map Ta Put Industrial Estate, Thai Caprolac-

<http://www.is4ie.org>



Participants in the Colombo Plan Training Course on Industrial Ecology and Environment

tam Company Limited and PTT Chemical Public Company Limited in Rayong, Recycle Engineering Company Limited in Chonburi, and Siam City Cement in Rajburi. The main purpose of the field trip was to give participants examples of the industrial ecology concepts being applied in real situations so that participants might apply the concepts in their countries.

During the final part of the training course, the country report, participants presented details of a current environment problem in their country including policies and general practices related to its control, solution and management.

This training course offered participants the opportunity to gain knowledge about industrial ecology concepts and ways to apply those concepts in their respective countries.

First Northeast Asian Eco-Forum hosted by Chinese Academy of Sciences

The Institute of Applied Ecology hosted the first Northeast Asian Eco-forum at the Chinese Academy of Sciences 24-25 September 2009. This event was held in Shenyang city, the largest heavy industrial city in China and one of the most polluting cities in China, which was chosen by the Chinese government as an environmental construction

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more Conference Reports

demonstration city (mainly applying the principles of circular economy to retrofit its old heavy industrial base). In order to support this event, the Ministry of Environmental Protection of China signed a special agreement with the Ministry of Environment of Japan in June 2009, with a main focus on supporting Shenyang-Kawasaki (Shenyang's twin city in Japan)'s joint efforts for developing circular economy concepts. The City of Shenyang signed another agreement with the City of Kawasaki with the same main topic.

A large Japanese delegation led by the vice president of the National Institute for Environmental Studies of Japan, Professor Yasuoka and the special advisor to the Mayor of Kawasaki City, Mr. Sueyoshi, attended this forum and introduced their experiences with eco-industrial development. The United Nations Environment Program facilitated a discussion among participants coming from South Korea, Mongolia, Russia, Philippines, Canada, USA, and elsewhere. Discussion topics included industrial symbiosis, ecosystem health, eco-industrial parks, circular economy, and a low carbon economy. Based upon the discussion, participants decided to establish a regional network on promoting eco-industrial development in north-east Asia and will have a second forum in 2010.

The International Conference on Green Industry in Asia

The conference, *Managing the Transition to Resource Efficient and Low Carbon Industries*, took place in Manila, Philippines, 9-11 September 2009. Co-organized by the Government of the Philippines, the United Nations Industrial Development Organization, UN Environment Programme, and the UN Economic Commission for Asia and Pacific, the conference provided an arena for high-level policy makers and other key stakehold-

ers to discuss measures to achieve a smooth transition to resource-efficient and low-carbon industries in Asia.

Conference participants discussed policies and strategies that would enable countries in the region to successfully manage this transition; regulatory and institutional frameworks as well as the support services that industry requires to shift to more sustainable production patterns; new business opportunities that the shift would create; and how countries in the region could benefit from such opportunities.

The major outcome of the conference was the adoption of a Manila Declaration on Green Industry in Asia, which contains a Framework of Action, by 21 Asian countries. This underscores the commitment of governments in identifying steps needed to develop green industry, including measures to foster investment environments, a mechanism to review performance, and calling for increased communication from within and outside of the region.

For more information go to
<http://www.unido.org/greenindustryconference>



Attendees at the Green Industry in Asia meeting

Jobs

Editor's Note: The ISIE office is seeing an increase in the number of jobs being posted to the website. These often do not list a deadline or the deadline is prior to the ISIE News deadline. So, if you are seeking a job, check the website often for the latest postings!

Life Cycle Assessment Consultant, Acre Resources, Bristol, UK

Program Lead, Fuels International Council on Clean Transportation, Fuels International Council on Clean Transportation, Washington DC, USA

Faculty Position - Corporate Environmental Management, University of South Florida, Tampa FL, USA

Fixed-Term Lectureship in Industrial Sustainability, Department of Engineering, University of Cambridge, Cambridge, UK

PhD Candidate on noise impacts in environmental LCA, Leiden University, Leiden, The Netherlands

Doctoral Fellowships in Sustainability Research at the Water-Energy-Materials-Human Nexus, University of South Florida, Tampa, FL, USA

"Green Job" Trends

For a look at "green jobs" in the US, see the report: *Greening of the World of Work: Implications for O*NET®-SOC and New and Emerging Occupations*. This was released in 2009 and the summary says:

This report summarizes the recent research to investigate the impact of green economy activities and technologies on occupational requirements in an effort to determine their impact on current O*NET-SOC occupations and to identify new and emerging (N&E) occupations that may be considered as potential candidates for inclusion in the O*NET-SOC system. The report is organized in three sections. Section I describes the occupational implications of the green economy and its associated activities and technologies. Section II focuses on important occupational staffing implications within different sectors of the green economy. Section III describes the methodology and results of this research, including identification of current O*NET-SOC occupations impacted by the green economy and specific green economy N&E occupational candidates.

The report is available at: <http://www.onetcenter.org/reports/Green.html>

Conference/Exhibition Listings

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

Energy and Environment Week
12-16 April 2010, Pittsburgh, US

i-SUP2010 Congress "Sustainable Production"
18-21 April 2010, Bruges, Belgium

Cycle 2010
4-5 May 2010, Montreal, Canada

Alliance for Research on Corporate Sustainability: 2nd Annual
Research Conference
12-14 May 2010, Cambridge, USA

5th Annual International Symposium on Environment
20-23 May 2010, Athens, Greece

Gordon Research Conference on Industrial Ecology
11-16 July 2010, New Hampshire, US

5th Annual International Conference on Environmental Science
and Technology
12-16 July 2010, Houston, US

Sustainable Landfilling
23-25 September 2010, Vienna, Austria

CUTE Final Conference
17-18 November 2010, Hamburg, Germany

Post your conference info on the ISIE website

