

The Fourth International Conference on Environmental Informatics

July 26-28, 2005
Xiamen, China



Conference Organizers



RYERSON UNIVERSITY



Background

In recent years, significant developments have been made in Environmental Informatics. This conference will highlight the most recent advances environmental

information technology, methodology, and application since. It aims at providing a unique gathering place and open forum for bringing together researchers, engineers, managers, and practitioners from a broad range of disciplines with common interests in techniques, tools, and systems of environmental information sciences. Jointly organized by Xiamen University, China, and Ryerson University, Canada, and the International Society for Environmental Information Sciences (ISEIS), we trust that the event will offer an unprecedented opportunity for you to discover the cutting-edge environmental informatics technology and its development and applications in environmental studies, resource management, urban and sustainable development.

Conference Topics

Environmental Modeling and Sustainable Development

- Environmental, resources, and energy systems management and planning
- Decision and risk analysis for environmental management
- Environmental data and information management
- Marine environmental monitoring and coastal zone geomorphology
- Green ecology and sustainable urban and rural development
- Monitoring and analytical techniques of environmental quality
- Modeling of hydrologic systems
- Ecological modeling and assessment
- Environmental education

Process Control and Optimization in Environmental Engineering

- Simulation, optimization, and control of waste treatment and pollution reduction processes
- Computerized process control in urban sewage disposal
- Wastewater treatment plant modeling and simulation
- Oil-spill modeling and risk analysis
- Mathematical methods for systems optimization
- Environmental statistics

Information Systems in Environmental Studies

- Environmental decision support systems
- Environmental data mining and retrieval
- Environmental remote sensing and spatial information systems
- Spatial databases for environmental planning
- GIS solutions for disaster management
- Integration of environmental modeling and GIS
- Dynamic and multi-dimensional environmental visualization
- Environmental sciences and artificial intelligence

Programme

The scientific programme of the conference includes keynote speeches, sequential technical sessions, and a technical exhibition. Technical visits and tours will be arranged during and after the conference.



Abstract/Paper Submission and Publication

Prospective participants are invited to submit an abstract of 300-500 words summarizing original and unpublished research results on the above and other related topics. All submitted abstracts must be written in English and will be refereed for quality, originality and relevance by the Scientific Committee. The accepted abstracts will be notified and a full paper will be expected before the submission deadlines. Abstracts should include paper title, author names, full mailing address, and e-mail address of the corresponding author.

All abstracts should be e-mailed to Michael Wang at xwang@ryerson.ca before December 30, 2004.

The authors of accepted abstracts are requested to submit their full papers not later than March 30, 2005. Full papers should be prepared by following the instructions for the *Environmental Informatics Archives* (EIA), which can be found at <http://www.iseis.org>. All accepted papers will be notified by 15 May 2005 and will be included in the 2005 volume of *Environmental Informatics Archive*. Selected papers, through a peer-reviewing process, will be published in *Journal of Environmental Informatics* (JEI) and possibly special journal issues (TBD).

Conference Venue

Xiamen, with the famous nickname "Sea-Floating Garden", is a well known harbor city in southeast China. Taiwan Straits flows between Xiamen and Taiwan. The distance between Xiamen and Gaoxiong is about 400 km. Xiamen is one of the five Special Economic Zones in China, opened to attract investment from all over the world. The world-famous island, Gu-Lang-Yu, is a pearl shining in the Xiamen Harbor. Xiamen University was founded in 1921. It is now making great strides towards its goal of "building a high-level university well-known both at home and abroad". The conference will be held at the Xiamen International Seaside Hotel (<http://www.seaside.cn>) or the International Academic Exchange Center of Xiamen University (<http://www.xmu.edu.cn>).



Registration

Participants will be responsible for their own expenses. Registration fee is US\$ 350 (before June 1, 2005, Student US\$150; Late registration: US\$400, students US\$200), which covers the participation in all conference sessions and technical exhibition, conference proceedings, welcome reception, lunches and coffee breaks and a conference dinner. Technical visits and tours will not be covered by the registration fee.

Exhibition

An exhibition will be organized during the conference. Companies and organizations interested in presenting their products (software and hardware) please contact the Conference Chair for further information and reservation.

Important Dates

Abstract Deadline: December 30, 2004
Acceptance Notice: January 30, 2005
Full Paper Deadline: March 30, 2005
Final Paper Acceptance: May 15, 2005
Conference Dates: July 26 – 28, 2005



Conference Chair

Qingshan Jiang (Xiamen University, China)

Program Committee

Chair:

Jonathan Li (Ryerson University, Canada)

Co-Chairs:

Scott Yeomans (York University, Canada)

Yan Li (Xiamen University, China)

Scientific Committee

Chair:

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Co-Chairs:

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Organizing Committee

Chair:

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Co-Chairs:

Lei Liu (Dalhousie University, Canada)

Jianbing Li (University of Northern British Columbia)

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Conference Website

<http://www.geomaticseng.ryerson.ca/ISEIS2005/>

