

CALL FOR PAPER

ISEM 2011 Conference

Ecological Modelling for Global Change and Coupled Human and Natural Systems

Tuesday, September 20-Friday, September 23, 2011
Beijing, China
<http://www.isem2011.org/>

The paper submission system is open:

<http://www.isem2011.org/ss>

Hosted by Beijing Normal University
Institute of Geographical Sciences and Natural Resources Research
Chinese Academy of Sciences
University of Quebec at Montreal
Nanjing University
Peking University

Facing with the increasingly impressive global change, we design the theme of this conference as “Ecological Modelling for Global Change and Coupled Human and Natural Systems”, with an objective to emphasize on modeling the potential impacts of global change on the Earth ecosystems and human adaptation to the change, as well as offer a multi-disciplinary platform for exploring the linkages between the human and natural systems. It will be a great opportunity for researchers, managers, and students from both developed and developing countries around the world to meet together, share and communicate among them, and jointly search for more effective and science-based, modelling-oriented solutions for our living environment and life-support systems.

Keynote Speakers

Sven E. Jørgensen (University of Copenhagen, Denmark, Associate Editor of Ecological Indicators)

Brian D. Fath (Towson University, US, Editor-in-Chief of Ecological Modelling)

Guy R. Larocque (Natural Resources Canada, Canada)

Alessandro Ludovisi (University of Perugia, Italy)

Larry Li (University of California Riverside, US, Editor-in-Chief of Ecological Complexity)

Conference Topics

CALL FOR PAPER

ISEM 2011 Conference: Ecological Modelling for Global Change and Coupled Human and Natural Systems

Session I: Integrated Systematic Studies of Ecological Modelling

- ✓ Understanding of the Coupled Natural and Social System
- ✓ Network Modelling and Systems Theory
- ✓ Static Analysis and Dynamic Simulation of the Ecosystem
- ✓ Ecological Accounting
- ✓ The use of ecosystem theory in ecological modelling and environmental management
- ✓ Ecological Effect Analysis

Session II: Modelling for Water Environment Systems

- ✓ Eco-hydrological Modelling for Water Environment
- ✓ Environmental Flow Analysis in Water Environment
- ✓ Environmental Quality Assessment for Water Environment
- ✓ Pollutants Transfer and Transform in Water Environment
- ✓ Integrated Watershed Evaluation, Planning and Optimization

Session III: Ecological Modelling for Wetland Ecosystems

- ✓ Eco-hydrological Process, Effect and Modelling for Wetland Systems
- ✓ Ecosystem Services Evaluation of Wetland Systems
- ✓ Nutrient Element's Cycle in Wetland Systems
- ✓ Biodiversity in Wetland Systems
- ✓ Risk Assessment of Wetland Systems
- ✓ Wetland Utilization and Protection

Session IV: Ecological Modelling for Terrestrial Ecosystems

- ✓ Environmental Flow Analysis for Terrestrial Ecosystems
- ✓ Environmental Quality Assessment for Terrestrial Ecosystems
- ✓ Pollutants Transfer Mechanism in Terrestrial Ecosystems
- ✓ Carbon and Nutrient cycling in Terrestrial Ecosystems
- ✓ Risk Assessment of Terrestrial Ecosystems

Session V: Ecological Modelling for Urban and Regional Ecosystems

- ✓ Ecological Process and Dynamic Analysis for Urban Ecosystems
- ✓ Systematic Diagnostic and Regulation for Urban Ecosystems
- ✓ Urbanization and Its Effect in Developing and Developed Countries
- ✓ Landscape in Urban and Regional Ecosystems
- ✓ Spatial Planning for Urban and Regional Ecosystems

Session VI: Ecological Modelling for the Global Changes

- ✓ Ecological Modelling for Climate Change
- ✓ Ecological Modelling for the Impacts and Adaptation of Climate Change
- ✓ Ecological Modelling for Quantifying Greenhouse Gas Emissions (CO₂, CH₄ and N₂O)
- ✓ Ecological Modelling for Land Use Change and Earth Systems (including atmosphere, biosphere, ocean)
- ✓ Modelling Global Carbon, Nitrogen, Phosphorus, Water Cycles
- ✓ Ecological Modelling for Landscape Dynamics, Biodiversity and Conservation
- ✓ Ecological Forecasting, Model-Data Fusion, and Remote Sensing

Session VII: Sustainable Ecosystem Management: Technology and Policy

- ✓ Ecological Planning and Management Approach
- ✓ Development and Application of New Technologies in Ecosystem Management
- ✓ Management Policies and their Impact on Ecosystem Development
- ✓ Ecosystem Management Experiences in Developing and Developed Countries

Session VIII: Author Workshop and Reviewer Workshop

- ✓ Elsevier China

CALL FOR PAPER

ISEM 2011 Conference: Ecological Modelling for Global Change and Coupled Human and Natural Systems

- ✓ Elsevier Publishers
- ✓ Editors of Ecological Modelling

Workshop I:

- ✓ Lake and Wetland Modelling (chaired by Sven E. Jørgensen)

Workshop II:

- ✓ Earth Surface Modelling and Global Ecology (chaired by Tian-Xiang Yue, Sven E. Jørgensen, Guy R. Larocque)

Workshop III:

- ✓ Ecological Network Analysis (chaired by Brian D. Fath)

Workshop IV:

- ✓ Plankton Ecological Modelling (chaired by Alessandro Ludovisi)

Workshop V:

- ✓ Pops (chaired by Shu Tao, Fuli Xu)

Workshop VI:

- ✓ Eco-city Planning (chaired by Zhifeng Yang, Bin Chen)

Important dates

Abstract submission: April 10, 2011

Workshop proposal: June 15, 2011

Full paper submission: July 15, 2011

Conference date: September 20-23, 2011

Location and Venue

The conference will be held in a specific conference hotel near Beijing Normal University, Beijing, China. The hotel has conference rooms with different sizes, in which the largest lecture hall can occupy 500 persons. It also has well-equipped multimedia facilities, which can satisfy the requirements of international conferences.

Paper Submission Guidelines

Manuscripts should be electronically submitted at the conference website: <http://http://www.isem2011.org/>. All relevant information and the submitted paper must be written in English. Both full research papers and work-in-progress reports are welcome. Authors are required to certify that their paper represents original work and is previously unpublished. Simultaneous submission to any other conference, workshop or journal is strictly excluded. The manuscript must be submitted in the paper format (a Microsoft Word template are available on the conference website). Please download the file `ProcediaEnvironmentalScience_template.dot` from the following website: <http://www.elsevier.com/locate/procedia>

Publications

Accepted papers, presented at the conference by one of the authors, will be published in the *Procedia Environmental Sciences*. Acceptance will be based on quality, relevance and originality. There will be both oral and poster sessions.

The *Procedia Environmental Sciences* is indexed by EI. High quality papers will be published in

CALL FOR PAPER

ISEM 2011 Conference: Ecological Modelling for Global Change and Coupled Human and Natural Systems

Special Issues of Ecological Modelling.

The Best Paper Award honors the author(s) of the highest quality papers. The award includes a framed certificate. The author of Best Paper Award will be recognized in the conference.

Conference Committees

International Scientific Advisory Committee

Chair

- ✓ Sven E. Jørgensen (ISEM president; University of Copenhagen, Denmark)

Vice Chairs

- ✓ Brian D. Fath (President, North-American Chapter; Towson University, US)
- ✓ Tarzan Legovic (ISEM Secretary-General; Center for Marine Research, Croatia)
- ✓ Guy R. Larocque (Secretary, North-American Chapter; Natural Resources Canada, Canada)

Scientific Committee

- ✓ Cosimo Solidoro (President, European Chapter; Istituto Nazionale di Oceanografia e di Geofisica Sperimentale, Italy)
- ✓ Søren N. Nielsen (Secretary, European Chapter; University of Copenhagen, Denmark)
- ✓ Masahiko Sekine (President, Austral/Asian Chapter; Yamaguchi University, Japan)
- ✓ Fuli Xu (Peking University, China)
- ✓ Felix Müller (University of Kiel, Germany)
- ✓ Simone Bastianoni (University of Siena, Italy)
- ✓ Santanu Ray (Visva-Bharati University, India)
- ✓ Tae-Soo Chon (Pusan National University, Korea)
- ✓ Donald L. DeAngelis (University of Miami, US)
- ✓ Marko Debeljak (University of Nova Gorica, Slovenia)
- ✓ Ursula M. Scharler (University of KwaZulu Natal, Westville Campus, South Africa)
- ✓ Sergio Ulgiati (Parthenope University of Napoli, Italy)
- ✓ Alexey Voinov (University of Twente, Netherlands)
- ✓ Sovan Lek (University Paul Sabatier, France)
- ✓ Kumud Acharya (Division of Hydrologic Sciences, Desert Research Institute, US)
- ✓ Dan Johnson (University of Lethbridge, Canada)
- ✓ Wenhua Li (Chinese Academy of Sciences, China)
- ✓ Hongliang Liu (Chinese Research Academy of Environmental Sciences, China)
- ✓ Jianming Jin (EPA, China)
- ✓ Yonglong Lu (Chinese Academy of Sciences, China)
- ✓ Yanhe Ma (Ministry of Scientific and Technology, China)
- ✓ Wei Meng (Chinese Research Academy of Environmental Sciences, China)
- ✓ Jianyu Zhang (Nanjing Hydraulic Research Institute, China)
- ✓ Tieheng Sun (Institute of Applied Ecology, CAS, China)
- ✓ Jiuhui Qu (Research Center for Eco-Environment Sciences, CAS, China)

Organizing Committee

Chairs

- ✓ Zhifeng Yang (Beijing Normal University, China)
- ✓ Changhui Peng (University of Quebec at Montreal, Canada)
- ✓ Tianxiang Yue (Chinese Academy of Sciences, China)
- ✓ Hong Jiang (Nanjing University, China)

Secretary-in-General

- ✓ Bin Chen (Secretary, Austral/Asian chapter; Beijing Normal University, Beijing, China)

CALL FOR PAPER

ISEM 2011 Conference: Ecological Modelling for Global Change and Coupled Human and Natural Systems

Secretary

- ✓ Zemeng Fan (Chinese Academy of Sciences, Beijing, China)
- ✓ Meirong Su (Beijing Normal University, Beijing, China)

Organizing Committee

- ✓ Chenghu Zhou (Chinese Academy of Sciences, China)
- ✓ Daming He (Yunnan University, China)
- ✓ Fahu Chen (Lanzhou University, China)
- ✓ Feng Ge (State Key Laboratory of Integrated Management of Pests and Rodents, China)
- ✓ Guoqian Chen (Peking University, China)
- ✓ Jianjian Lu (East China Normal University, China)
- ✓ Jianhua Xu (East China Normal University, China)
- ✓ Jun Bi (Nanjing University, China)
- ✓ Keming Ma (State Key Laboratory of Urban and Regional Ecology, China)
- ✓ Peng Gong (Earth System Science Center, Tsinghua University, China)
- ✓ Shaolin Peng (Sun Yat-Sen University, China)
- ✓ Shengfang Lan (South China Agriculture University, China)
- ✓ Shirong Liu (Chinese Academy of Forestry, China)
- ✓ Weiping Hu (Nanjing Institute of Geography and Limnology, CAS, China)
- ✓ Xi Chen (Chinese Academy of Sciences, China)
- ✓ Xinguo Han (Chinese Academy of Sciences, China)
- ✓ Yongming Shen (Dalian University of Technology, China)

We appreciate that you would like to forward this email to those who take interests in it. For further information, please visit website <http://www.isem2011.org/> or mail to ISEM2011@gmail.com

Contact information

Meirong SU
Haixia BAO

School of Environment, Beijing Normal University,
19 Xijiekouwai Street, Haidian District, Beijing 100875, China
Email: ISEM2011@gmail.com
Phone: +86 -10-5880-7368, +86 -10-5880-1763
Fax: +86-10- 5880-7368, +86 -10-5880-1763.