

International Society for Ecological Modelling Global Conference 2016

8–12 May 2016

Baltimore, United States



Organization: Elsevier

Disciplines: Earth Science, Life Science

Subdisciplines: Environmental Science, Ecology

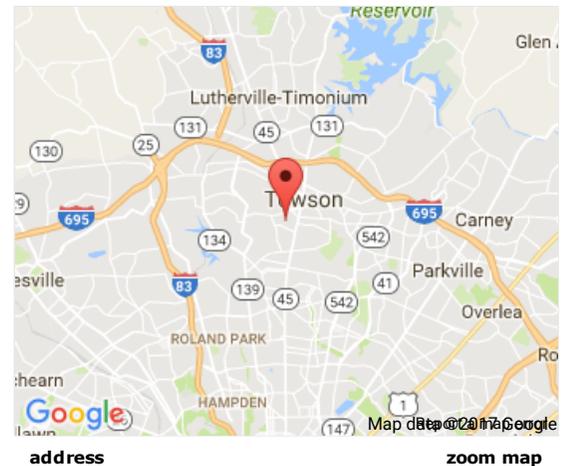
Event type: Conference

Venue: Towson University

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Event details

The International Society for Ecological Modelling (ISEM) promotes the international exchange of ideas, scientific results, and general knowledge in the area of the application of systems analysis and simulation in ecology and natural resources management.

The Society was formed in Denmark in 1978—following the journal *Ecological Modelling*, which was formed in 1975—and today has chapters in Europe, North America, Asia, and Africa. ISEM sponsors conferences, symposia, and workshops that promote the systems philosophy in ecological research and teaching, and in the management of natural resources.

This global conference is the 20th biennial conference of the Society and looks to bring together scientists from all professions and applications that deal with the use of ecological models and systems ecology.

The conference will feature prominent keynote speakers, special symposia arranged by leading scientists, general oral and posters sessions, as well as preceding short courses and opportunities for field excursions following the conference. Delegates will have the choice to submit abstracts to the special symposia or the general sessions. Conference papers will be considered for a special issue in the journal *Ecological Modelling*.

Themes:

- Dynamic Ecological Simulation Models (aquatic, terrestrial, energetics, biogeochemical, etc.)
- Ecological Modelling and Environmental Management (Risk assessment, Flow Analysis, Sustainability, Ecotoxicology, Monitoring and Planning)
- Modelling Coupled Natural and Social Systems (Socio-Ecological, Urban, Integrated Assessment)
- Modelling of Ecosystem Services
- Biodiversity and Conservation Modelling
- Ecological Landscape and Land Use Change Modelling
- Ecological Modelling for Climate Change
- Network Modelling
- Systems Ecology

Symposia:

- Dynamic energy budgets - relating individual to ecological processes
- Eco-hydrological modeling
- Ecological modelling and environmental management ISEM 2016 symposium
- Environmental accounting using emergy modeling
- Forest ecosystem models as decision support systems for ecological forest management

Important dates:

Abstract submission
30 October 2015

Early bird registration
22 January 2016

- Integrating ecosystem information into population dynamics models
- Machine learning in ecological modelling
- Modelling lakes and wetlands
- Modeling ecological dynamics in temporally variable, spatially heterogeneous environments
- Modeling human behaviors/decisions and their impacts on the environment
- Modeling of ecosystem services for improved decision making
- Multimedia environmental modeling for complex environmental systems
- Network ecology symposium
- Species distribution modelling
- Surface modelling of ecosystem services and driving forces of ecosystem changes
- Symposium on the AQUATOX ecotoxicologic risk assessment model
- Symposium on SLAMM—the maturation of a landscape-ecologic model
- Urban system modelling and global change

Related Events



2nd Green and Sustainable Chemistry Conference

14–17 May 2017

Berlin, Germany



The International Society for Ecological Modelling Global Conference 2

17–21 September 2017

Jeju, Korea, Republic Of



The International Society for Ecological Modelling Global Conference 2017

17–21 September 2017

Jeju Island, United Kingdom