

**International Symposium on  
Environmental Software Systems  
Crowne Plaza Hotel, Prague, Czech Republic  
May 22-25, 2007  
www.isess.org**

## **Call for Papers - Artificial and Computational Intelligence for Environmental Modelling**

As environmental modeling and software applications are striving to provide with solutions in complex and dynamic environments, the research fields of artificial and computational intelligence try to supply the right array of tools and techniques to cope with these new challenges. While AI tackles the problems from the top down, imposing the structure on the problem, CI starts from the bottom up, discovering structures from data. This session aims at discovering where the two approaches, when applied to environmental modelling, can be complementary rather than incompatible. This session aims to attract academic and industrial papers, reporting on state-of-the-art cross-disciplinary developments of computational intelligence techniques in ecological research, environmental sciences and agronomy. The goal of this special session is to bring together researchers working in the relevant areas, to share their experiences, and to investigate new solutions for environmental modeling and simulation.

Topics of this special session include:

- \* Artificial intelligence
- \* Operational research
- \* Data mining and machine learning
- \* Service-oriented approaches and the Semantic Web
- \* Data integration and meta-information markup languages
- \* Knowledge representation systems and ontologies
- \* Declarative modeling
- \* Agent-based simulation
- \* Grid computing

Session Chairs:      Dr. Andrea E. Rizzoli, IDSIA, Switzerland  
                              Dr. Ioannis N. Athanasiadis, IDSIA, Switzerland

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### **Paper Submission Guidelines**

Please send your abstract **before November 24, 2006**. Only electronic submissions **IN PDF FORMAT** are accepted. Please send your electronic PDF submission to the conference manager, Linda Robson (linda@isess.org). Only abstracts sent to this email address, in PDF format will be reviewed. Acceptance will be based on the abstracts and authors will be informed by December 22, 2006. Final versions of accepted papers AND registration of one author per accepted paper must be submitted before February 25, 2007. These papers will included in a pre-conference publication, tentatively under an IFIP ISBN.

## Venue

The conference will tentatively be held at the Crown Plaza Hotel, Prague, Czech Republic ([www.ichotelsgroup.com](http://www.ichotelsgroup.com)). The hotel is located in the residential embassy district, 15 minutes from the airport and 10 minutes from the heart of the city.



## General Contact Information / Management

[www.isess.org](http://www.isess.org)

Linda Robson, MTA, Conference Manager ([linda@isess.org](mailto:linda@isess.org))

## Sponsoring Institutions

