



EUROSIM 2010

7th EUROSIM Congress on Modelling and Simulation

September 6 - 10, 2010, Diplomat Hotel, Prague, Czech Republic

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EUROSIM Congresses are the most important modelling and simulation events in Europe. For EUROSIM 2010, we are soliciting original submissions describing novel research and developments in the following (and related) areas of interest: Continuous, discrete (event) and hybrid modelling, simulation, identification and optimization approaches. Two basic contribution motivations are expected: M&S Methods and Technologies and M&S Applications. Contributions from both technical and non-technical areas are welcome.

Congress Topics

The EUROSIM 2010 Congress will include invited talks, parallel, special and the poster sessions.

The Congress topics of interest include, but are not limited to:

- **Intelligent Systems**
- **Case Studies**
- **Workflow Modelling and Simulation**
- **Web-based Simulation**
- **Visualization**
- **Security Modelling and Simulation**
- **Computer Games and Simulation**
- **e-Science and e-Systems**
- **Image, Speech and Signal Processing**
- **Human Factors and Social Issues**
- **Virtual Reality, Visualization and Computer Games**
- **Internet Modelling, Semantic Web and Ontologies**

Special Sessions

The following EUROSIM Congress Special Sessions will be presented:

- **Simulation of Transportation and Logistic Systems**
Chair: Antonin Kavicka, University of Pardubice (CZ)
- **Parallel and Distributed Simulation**
Chair: Jiri Safarik, University of West Bohemia (CZ)
- **Inductive Modelling and Artificial Neural Nets in Simulation**
Chair: Pavel Kordik, Czech Technical University (CZ)
- **Modelling and Simulation in Medicine and Pharmacy**
Chair: Maja Atanasijevic-Kunc, University of Ljubljana (SI)
- **Modelling and Simulation for Control, Coordination and Supervision**
Chair: Richard Karba, University of Ljubljana (SI)
- **Modelling and Simulation of Biological Water Treatment**
Chair: Esko Juuso, University of Oulu (FI)
- **Simulation to support sustainable power plant engineering and operation**
Chair: Kaj Juslin, VTT Technical Research Centre of Finland (FI)
- **Modelling and Simulation in Engineering**
- **Modelling and Simulation in Economy**
- **Modelling and Simulation in Aerospace**
- **Modelling and Simulation in Education**
- **Modelling and Simulation in Multidisciplinary**
- **Methodology of Modelling and Simulation**
- **Agent Based Simulation**
- **Hybrid and Discrete Simulation**
- **Decision Support**

Congress Submission Guidelines

Authors are invited to submit PDF extended abstract in English by April 1, 2010. Guidelines for authors of extended abstracts are available on congress web site (www.eurosim2010.org/guidelines.php). Submitted extended abstract will be reviewed by two or three reviewers and assessed according to its relevance to topics of congress, quality and originality in the field. Extended abstracts may be accepted as a full paper (maximum length is 10 pages), as a short paper (maximum 4 pages), or as a poster. Extended abstracts submitted into the special session may have its own formatting guidelines and deadlines. Exact information are available on the Congress website.

For the main congress only extended abstracts uploaded through the submission portal are accepted. The submission portal is available on <http://www.eurosim2010.org/submit>. The special sessions have specific way for submitting extended abstracts. Please follow submission guidelines for your special session on congress web page <http://www.eurosim2010.org/specsessions.php>.

Notification of acceptance will be sent by May 15, 2010. The authors of accepted papers will be required to submit the final camera-ready copy by June 15, 2010. Proceedings will be published in two separate volumes as a Book of Abstract (with ISBN) and as a CD with full version of papers (with ISBN) in cooperation with Czech Technical University Publishing Company.

The Best Paper and the Best Student Paper competitions will be awarded. Selected papers published at EUROSIM 2010 will be invited to submit an extended version to a special issue of Simpra Journal.

Invited Talks

During the Congress following Invited Talks will be presented:

- **Agent-Based Simulations of Transportation Nodes**
Antonin Kavicka, University of Pardubice (CZ) and
Norbert Adamko, University of Zilina (SK)
- **Human Behaviour Modelling as a Challenge for Future Simulation R&D: Methodologies and Case Studies**
Agostino G. Bruzzone, University of Genoa (IT)
- **Physical Modelling: Some Experiences from Education and Applications**
Borut Zupancic, University of Ljubljana (SI)
- **Modelica** - Peter Fritzson, University of Linköping (SE)

Important Dates

Extended Abstract: **April 1, 2010**
Acceptance Notification: **May 15, 2010**
Early Registration: **June 7, 2010**
Camera Ready Papers: **June 15, 2010**
Early Bird Hotel Registration: **June 20, 2010**
Hotel Reservation: **July 20, 2010**
Cancellation of Registration: **August 2, 2010**
Late Registration: **August 31, 2010**
EUROSIM Congress: **September 6 - 10, 2010**

General Congress Chairs

Mikulas Alexik, EUROSIM President
Miroslav Snorek, Czech Technical University in Prague



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