

1st CALL FOR PAPERS

InterSymp-2010

**Special Focus Symposium on
Advanced Simulation and Optimization Techniques
in Manufacturing and Logistics**

SimOpt-ML-2010

to be held

August 2 – 6, 2010

in

**Baden-Baden
Germany**

The International Symposium on Advanced Simulation and Optimization Techniques in Manufacturing and Logistics will be part of the 30th Annual Meeting of the International Institute for Advanced Studies in Systems Research and Cybernetics, to be held **August 2 – 6, 2010** in conjunction with the 22nd International Conference on Systems Research, Informatics and Cybernetics (InterSymp-2010).

This meeting will be held in the MLG-Building located at Hardstrasse 2, in the center of Baden-Baden, Germany.

Symposium Outline: Almost any successful design of a highly complex modern manufacturing or logistics system frequently involves an extensive use of simulation and optimization techniques. The two technologies usually come together, in explicit or implicit form. The final goal is the possibly best design, best working modes, and the best performance of the system.

New tools of simulation and optimization, new emerging techniques as well as the further advancement in the established ones strengthen and extend the capabilities of the design and utilization of manufacturing and logistics systems. This symposium focuses on state-of-the-art developments in optimization and simulation technologies and their use in manufacturing and logistics.

Original high-quality contributions on the above fields are welcome. Possible topics include, but are not limited to:

- **Simulation tools and languages**
- **Optimization tools and languages**
- **Online optimization**
- **Metaheuristics and soft computing**
- **General combinatorial optimization**
- **Simulation model - based emulation of control loops**
- **Hybrid simulation**
- **Parallel and distributed simulation**
- **Simulation optimization**
- **Hybrid optimization techniques**
- **Embedded optimization modules in simulation tools**
- **Automated simulation**
- **Knowledge-based simulation**
- **Knowledge-based optimization**

in the general context of their application in manufacturing and logistics systems (flexible manufacturing systems, computer-integrated manufacturing, intra-logistics, material flow systems, production planning & control, transportation, supply chain management, etc.).

The Paper Submission Guidelines, the Copyright Transfer Form and the Conference Registration Form are available at the Home page of the IIAS at: <http://www.iias.edu>

Paper Abstracts should be submitted as soon as possible but not later than **March 30th, 2010**. All submitted papers will be refereed. Those selected will be scheduled for presentation and published in Conference Proceedings. Notification of Acceptance will be sent to authors by **April 15th, 2010**.

Two camera-ready copies of full papers, not exceeding five pages, should be sent together with a CD containing a corresponding electronic version (Microsoft Word preferred) and also e-mailed by **May 9th, 2010** to:

**Prof. George E. Lasker,
C/O IIAS InterSymp-2010 Conference**

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Important dates

- **Abstract submission deadline** **March 30, 2010**
- **Notification of acceptance** **April 15, 2010**
- **Final paper submission deadline** **May 9, 2010**