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Deadlines

Draft paper submission deadline: **01.05.2008**

Final paper submission deadline: **15.07.2008**

Early registration deadline: **01.07.2008**

Registration fee

Early registration fee: **350 EUR**

Student registration fee: **250 EUR**

Late registration fee: **400 EUR**

The workshop fee covers admittance to all sessions, a copy of Preprints, banquet, lunches, refreshments, and social events. Printed and CD versions of the Preprints will be available at the Workshop.

Contact

Przemysław Korytkowski Szczecin University of Technology

ul. Żołnierska 49
71-210 Szczecin, Poland
tel. (+4891) 449-55-94
fax: (+4891) 449-55-40
e-mail: ims08@ps.pl

Irena Bach Koszalin University of Technology

ul. Śniadeckich 2
75-453 Koszalin, Poland
tel. (+4894) 347-87-17
fax: (+4894) 343-34-79

The 9th IFAC Workshop on Intelligent Manufacturing Systems (IMS 2008)



Szczecin, Poland, October 9-10, 2008



Organized by
Szczecin University of Technology
and
Koszalin University of Technology

www.ims08.ps.pl

Meeting scope and objective



The progress in the area of computer and information technology over the last decades has significantly simplified collection, storage and processing of data in manufacturing, business and economics. Using computers to integrate manufacture systems involves planning and linking a variety of operating

and management systems together to support decision making in complex systems, such as extended enterprises and financial markets. Both producers and customers have to embrace new computational methods and tools for advanced modeling, analysis and decision making.

The workshop will bring together a wide range of specialists from academia, R&D centres and industry in order to discuss and exchange experience in the field of theory and application of knowledge engineering. In this context, the workshop will focus on techniques and technologies standing behind the decision engineering methods aimed at real life applications. Special attention will be paid to concurrent technological and control problems.

Meeting topics

The workshop covers all theoretical and application oriented aspects of intelligent manufacturing systems. The list of topics includes but is not limited to:

- **the state-of-the-art and future trends in intelligent manufacturing systems, including:**

computer integrated manufacturing, agile manufacturing, flexible manufacturing systems, virtual manufacturing, business process re-engineering for manufacturing, multi-sensory systems and computer vision.

- **application of knowledge engineering based systems, including:**

multi-agent systems, knowledge-based systems, knowledge discovery and data mining, fuzzy logic and fuzzy computing, neural networks and evolutionary computation, constraints programming, decision support and expert systems.

- **manufacturing systems, including:**

material transfer and storage systems, CAD/CAM/CAE., AGVS, production planning, scheduling and control, quality process control, system design and integration, fault diagnosis and control.

Copyright conditions



The material submitted for presentation at an IFAC Workshop must be original, not published or being considered elsewhere. All papers accepted for presentation will appear in the Preprints of the meeting and will be distributed to the participants. Papers duly presented at the IFAC Workshops will be hosted on-line on the **IFAC-PapersOnLine.net** website. The presented papers

will be further screened for possible publication in the IFAC Journals (Automatica, Control Engineering Practice, Annual Reviews in Control, Journal of Process Control, Engineering Applications of Artificial Intelligence, and Mechatronics), or in IFAC affiliated journals. All papers presented will be recorded as an IFAC Publication.

Copyright of material presented at an IFAC meeting is held by IFAC. Authors will be required to transfer copyrights electronically. The IFAC Journals and, after these, IFAC affiliated journals have priority access to all contributions presented. However, if the author is not contacted by an editor of these journals, within



three months after the meeting, he/she is free to submit an expanded version of the presented material for journal publication elsewhere. In this case, the paper must

carry a reference to the IFAC meeting where it was originally presented and, if the paper has appeared on the website **www.IFAC-PapersOnLine.net**, also a reference to this publication.

Submission of papers

Submissions should describe original completed or ongoing research work not submitted or published elsewhere.

Accepted papers will be given 20 - 30 minutes for the presentation and discussion.

Accepted papers will be published in the Preprints of the Workshop. The corresponding author, including the author's name, mailing address, telephone and fax numbers, and e-mail address has to be identified.

One of the authors of each accepted paper must register and present the paper at the conference. Contributions cannot be included in the Proceedings, unless registration, full payment and manuscripts are received.

In case the author is not contacted by an editor of the IFAC Journals or the IFAC affiliated journals within three months after the meeting, he/she will be asked to provide an extended version of the accepted contribution for submission to a special issue of the following journals:

- the Journal of Intelligent Manufacturing
- the Control and Cybernetics
- the Bulletin of the Polish Academy Of Sciences

The Editors of the special issues will take the decisions about the publication after the papers have undergone a usual reviewing process.

The working language of the workshop is English.