

2nd I*PROMS Virtual International
Conference on Intelligent Production
Machines and Systems
3-14 July, 2006

IPROMS 2006

Organised by



Introduction

Intelligent Production Machines and Systems (IPROMS) employ advanced IT and computational techniques to provide competitive advantage. IPROMS 2006, the 2006 Virtual International Conference on IPROMS, will take place on the Internet between **3 and 14 July 2006**. IPROMS 2006 will build on the outstanding success of its predecessor, IPROMS 2005. Authors from 32 countries across five continents contributed over 100 papers to IPROMS 2005 and some 4168 registered delegates and guests from 71 countries participated in the Conference, making it a truly global phenomenon.

The Virtual Conference

IPROMS 2006 is the 2nd online web-based conference organised by the EU-funded FP6 I*PROMS Network of Excellence. During the conference, registered users can log in, select the sessions of their interest, view or download papers and presentations and participate in the discussions. Papers submitted to IPROMS 2006 will be peer reviewed. Accepted articles will be printed in a **book of proceedings by a major Publisher**. Selected papers will also be developed into manuscripts for a prestigious archival journal such as the Proceedings of the Institution of Mechanical Engineers.

Aim

Like its predecessor, IPROMS 2006 will provide an unrivalled medium for researchers to disseminate and promote their work. For example, searches using Google for articles on topics related to IPROMS (such as Intelligent Manufacturing, Reconfigurable Manufacturing, Intelligent Design Systems, and Intelligent Planning and Scheduling Systems) regularly show papers by IPROMS 2005 authors among the top ten articles out of the millions of items found.

Conference Themes

Researchers worldwide are cordially invited to contribute original papers on topics pertinent to Intelligent Production Machines and Systems. The following is a non-exclusive list of topics of interest to IPROMS 2006:

- Collaborative and Responsive Manufacturing Systems
- Concurrent Engineering
- Digital Manufacturing
- E-manufacturing, E-business and Virtual Enterprises
- Innovative Production Machines and Systems
- Intelligent and Competitive Manufacturing
- Intelligent Automation Systems
- Intelligent Decision Support Systems
- Intelligent Design Systems
- Intelligent Optimisation Techniques for Production Machines and Systems
- Intelligent Planning and Scheduling Systems
- Intelligent Supply Chains
- Mechatronics
- Micro/ Nano Electro Mechanical Systems (MEMS/ NEMS)
- Novel Human Machine Interfaces including Tangible Acoustic Interfaces (TaiChi)
- Reconfigurable Manufacturing Systems
- Robotics
- Sustainable Manufacturing Systems

Invited Special Sessions

In addition to regular sessions, IPROMS 2006 will also include special sessions of 6-12 invited papers. Suggestions for special session (SS) themes within the scope of IPROMS 2006 are welcome.

Call for Papers

Prospective participants are invited to electronically submit papers on the range of manufacturing topics addressing the conference themes. Accepted papers will be included in the conference proceedings.

Important Dates

Full paper (6 pages)	15 February 2006
Acceptance notification	28 March 2006
Final Paper (6 pages)	21 April 2006

Conference Fees

The registration fees for IPROMS 2006 is **€200** per participant. This includes the book of the proceedings and a CD-ROM.

Conference Information

All conference details including registration, paper formatting and submission guidelines will be made available on the conference website.

<http://conference.iproms.org>

Provisional Programme Committee

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Dr. A. Thatcher, University of the Witwatersrand, S. Africa
Dr M H Wu, University of Derby, UK
Dr. Xiaolan Xie, INRIA, France
Prof. X. Yu, RMIT University, Australia

Contact Details

I*PROMS Central Coordination Team
Manufacturing Engineering Centre, Cardiff University
Newport Road
Cardiff CF24 3AA
Wales, United Kingdom
Tel: +44(0)2920 870049 Fax: +44(0)2920 879066
Email: iproms@iproms.org