

2nd Call for Papers The 3rd International Conference on Manufacturing Research ICMR2005

Incorporating the 21st UK National Conference on
Manufacturing Research NCMR



ICMR 2005

6-8 September 2005



BOC EDWARDS

BAE SYSTEMS



Rolls-Royce

EPSRC

Engineering and Physical Sciences
Research Council



Introduction

The International Conference on Manufacturing Research (ICMR) is an annual event, normally held in the early part of September. For many years, it was an UK National Conference that had successfully brought academics and industrialists together to share their knowledge and experiences. Now the conference has developed as a major international event with a growing number of international delegates participating to exchange their research findings with UK researchers and practitioners. The next conference (ICMR2005) will be held at Cranfield University, a distinctive postgraduate university focusing on engineering, management and applied science.

Industrial Day

This conference particularly welcomes presentations of industry related research projects. The first day of the conference (6th September) will be an 'Industrial Day' with keynote speeches from senior executives from leading world-class manufacturing companies, top government representatives and internally renowned experts. There will be exhibitions including the UK Engineering and Physical Science Research Council's (EPSRC), funded Innovative Manufacturing Research Centres (IMRCs) and commercial companies during the day. There also is a guided tour of Cranfield's world-class research laboratories following the presentations. Information is available on the dedicated conference website.

Workshops & Special Interest Groups

There will be special sessions and workshops, including:

- EPSRC funded Innovative Manufacturing Research Centres (IMRCs)
- Small to Medium Enterprises (SMEs)
- Collaborative product development
- Knowledge management
- Enterprise resource planning for the 21st Century
- Cost engineering
- Soft computing in design and manufacturing
- Business process modelling
- Advanced manufacturing technologies
- IT for manufacturing
- Impact of globalisation

Further and updated information will be presented on the conference website. We welcome suggestions for more specialist workshops and volunteers to lead them. Please contact the organisers.

Call for Papers

Papers are invited for ICMR2005 on the broad range of manufacturing related research. Please refer to the conference themes, workshops & special interest group sections; further information will be added to the website. All papers submitted must be physically presented at the conference; no author may present more than two papers. Full papers (maximum six pages) should be submitted by email to the conference co-ordinator. Paper formatting guidelines are available on the website.

Publication of Papers

All papers will be refereed by international experts and published in the conference proceedings. It is proposed that selected papers will be published as a book by a reputable academic publisher. Further selected papers will be published in special issues of international journals including Advanced Manufacturing Technology, Production Research and Business Process Management.



View from the River Ouse, Bedford

Conference Fees

The registration for the 'Industrial Day' (the first day of the Conference) is £120. This includes lunch and conference proceedings on CD. Registration for the full conference programme is £385 including conference proceedings, conference dinner with other meals and refreshments provided.

Conference Themes

National and international researchers and industrial practitioners are invited to present their innovative research projects in all aspects of manufacturing. The following are possible topics:

- Collaborative product development
- Innovation management
- Enterprise system implementation
- Product lifecycle management (PLM)
- Requirements and customer relationship management
- Knowledge capture, representation and re-use
- Intelligent design and manufacturing systems
- Soft computing in design and engineering
- Manufacturing systems and operation management
- Supply chain and logistics
- Cost Engineering and design optimisation
- Intelligent decision support systems
- Performance measurement and benchmarking
- Global manufacturing and business strategies
- Rapid product development and evaluation
- Quality management and Six Sigma
- Resource and capability management
- Project Management and process improvement
- Precision engineering and nano-technology
- Advanced manufacturing processes
- Sustainability and new design methodologies
- Small and Medium Enterprises
- Product data exchange and system integration
- CAD / CAM / CAPP / CAE / ERP
- Virtual environments and prototypes
- Lean and agile manufacturing
- E-manufacturing, e-business and virtual enterprises
- Manufacturing education
- Industrial case studies

Important Dates

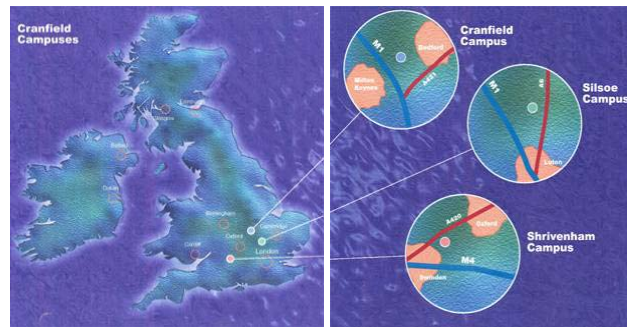
Full paper: 31 March 2005
Final paper: 31 May 2005
Registration: 30 June 2005



The Embankment and River Ouse, Bedford

Conference Location

Cranfield University is located around 50 miles north of London. Detailed directions and maps to the conference are available from the website. Cranfield is within one hour by car from Oxford and Cambridge. International delegates can arrive from any of London's five airports. Visits to London, Oxford and Cambridge may be arranged on request.



Cranfield location

Conference Chairs and Co-Chairs

General Conference Chairs are:
Dr James Gao and Prof Peter Sackett

Conference Co-Chairs are:
Dr Tim Baines Dr Ashutosh Tiwari
Dr Ip-Shing Fan Dr Fiona Lettice
Mr Geoff Nelder Dr Raj Roy
Prof Paul Shore Dr Charles Wainwright
Dr Esam Shehab

Conference Organising Committee

David Baxter Alexandra Brintrup
Daniel Bradfield Ralph Tanyi
Sara Mountney James Gao
Peter Sackett

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All conference details are available on the website, including submission requirements, paper formatting guidelines, contact details, locations and travel information.

Conference Web

www.icmr2005.org.uk
or
www.cranfield.ac.uk/sim/cim/icmr2005