



UNIVERSITY
of DERBY



ICMR2021

18TH INTERNATIONAL CONFERENCE ON MANUFACTURING RESEARCH

7 – 10 September 2021

Virtual Conference hosted by University of Derby, UK

Conference Website: www.icmr.org.uk



University of Derby Main Headquarter: <https://www.derby.ac.uk/>

GENERAL CHAIR:

Chris Bussell & Warren Manning

PROGRAM CHAIR:

Mahmoud Shafik

ORGANIZING COMMITTEE CHAIR:

Louise Pigden

THE CONSORTIUM OF UK UNIVERSITY MANUFACTURING AND ENGINEERING (COMEh) ADVISORY COMMITTEE

CHAIR: Andrew Thomas, Aberystwyth University

VICE CHAIR: Fayyaz Rehman, Southampton Solent University

TREASURER: Peter Ball, University of York

SECRETARY: Yi Qin, Strathclyde University

Linda Newnes, University of Bath

Keith Case, Loughborough University

Tim Baines, Aston University

Kai Cheng, Brunel University

Alan Crispin, Manchester Metropolitan University

James Gao, University of Greenwich

Yee Mey Goh, Loughborough University

David Harrison, Glasgow Caledonian University

Mehmet Karamanoglu, Middlesex University

Diane Mynors, University of Sussex

Sameh Saad, Sheffield Hallam University

Mozafar Saadat, University of Birmingham

Essam Shehab, Cranfield University

Aydin Nassehi, University of Bristol

Remy Khalil, Homeodynamic Autonomy Limited

Mahmoud Shafik, University of Derby

Yan Jin, Queen's University Belfast

Weidong Li, Coventry University

Konstantinos Salonitis, Cranfield University

www.icmr.org.uk

INTRODUCTION:

The International Conference on Manufacturing Research (ICMR2021) will take place from 7th until 9th of September 2021 at the University of Derby, Derby, UK. It will include keynote presentations by internationally renowned researchers and industrialists, as well as papers from academia and industry, exploring all core areas of advanced and digital manufacturing engineering. Initiated by the Consortium of UK University Manufacturing and Engineering (COMEH), ICMR has been the UK's main manufacturing research conference for 35 years and an international conference since 2003 – bringing researchers, academics and industrialists together to share their vision, knowledge and experience, and discuss emerging trends and new challenges. With the accelerating globalisation of manufacturing in the 21st century, the urgent need to keep pace has produced rapid advancements in technology, research and innovation. ICMR solicits papers on both cutting edge and emerging theoretical research and its recent industrial applications with the goal of bringing together practical and theoretical knowledge from academic, governmental and industry organisations across the world.

TOPICS:

We welcome papers covering all aspects of manufacturing with example topics including but not limited to: Advanced and Digital Manufacturing, Additive and Hybrid Manufacturing, CAD/CAE/CAM, Cyber-Physical Systems, Design and Cost Engineering, Enterprise Information Management, Electronics Manufacturing, Engineering and Product Design, High-Value Manufacturing, Intelligent Automation, ICT-enabled Collaborative Global Manufacturing, Inspection and measurement, Knowledge Management, Machining processes, Manufacturing Servitisation, Manufacturing Ergonomics, Manufacturing Optimisation, Manufacturing Research in Industry, Product Lifecycle Management, Robots in Manufacturing, Re-distributed Manufacturing, Energy and Green Technology, Sustainable Systems, Smart Factories, Digital Engineering, Sustainable Manufacturing, Ultra-precision and Micro Manufacturing, Robotics and Mechatronics, Machine Vision, Machine Deep and Cognitive Learning and Artificial Intelligence.

SCHEDULE AND DEADLINES:

- ~~25th of Jan 2021 – Abstract (300 words) submission~~
- 10th of Feb. 2021 - Abstract submission
- ~~15th of Feb 2021 – Abstract acceptance notification~~
- 20th of Feb. 2021 - Abstract acceptance notification
- 12 of April 2021 - Full paper submission
- 30th of April 2021 – Paper acceptance notification
- 4th of June 2021 – Final paper submission
- 18th of June 2021 – Deadline for early bird registration
- 25th of August 2021 – Final registration
- 1st of September 2021 - Conference Programme Publication
- 7th of September 2021 - Conference
- 1st of December 2021 – Full Journal Submission

PAPER SUBMISSIONS:

Contributions are invited from researchers and practitioners working in the field of product development, manufacturing and product service engineering. Full paper should be submitted via EasyChair (<https://easychair.org/conferences/?conf=icmr2021>) Please follow the instructions strictly and use the template provided. Submissions will be blind reviewed by the COMEH committee and an international advisory panel. Authors of accepted papers are required to present their contributions at the conference. The conference proceedings will be published by IOS Press and indexed by Scopus. All extended conference papers are eligible for submission to the Taylor & Francis's Production and Manufacturing Research Journal.

CONFERENCE REGISTRATION:

The early bird registration fee is **£200** first paper and **£150** second paper. The registration fee after 18th of June 2021 will be **£250** and for none presenting paper registration is **£50**. There will be also industrial visits programmes to Rolls Royce (Aerospace), Derby, UK Bombardier (Railway), Derby, UK and Jaguar Land Rover (Automotive) manufacturing facilities, Solihull, UK subject to COVID-19, number of booking and relevant arrangement fees.

VENUE AND ACCOMMODATION:

The venue for ICMR2021 is University of Derby Main Headquarter. Travel guide can be found at: <https://www.derby.ac.uk/find-us/derby/#d.en.63174>. Delegates have to arrange their own accommodation. Information about local hotels will be provided in the conference website soon. E-mail contact: icmr2020@derby.ac.uk.



University of Derby Science Park: <http://www.ukspa.org.uk/members/derbysp>.