

The 28th International Conference on Automation and Computing (ICAC2023)



30 Aug – 1 Sep 2023, Birmingham, UK

<https://cacsuk.co.uk/icac>

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The Chinese Automation and
Computing Society in the UK

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Call for Papers

Conference Theme:

Digitalisation for Smart Manufacturing and Systems

AIMS: The aims of the conference are to provide a forum for scientists, engineers, scholars and students to exchange ideas and update technical knowledge, as well as to provide a platform where joint research programmes can be formulated for mutual benefit. The conference welcomes participation and contributions from those involved in both theoretical and practical research on all aspects of automation, control, manufacturing and computer science.

SCOPE: The scope of the conference covers a broad spectrum of multidisciplinary areas in automation, smart manufacturing, robotics, control, computing and information systems, ranging from fundamental research to real-world practical applications. The conference welcomes the submission of papers in the nature of original research and technical reviews from but not limited to areas of:

Additive Manufacturing	Information and Network Security	Non-destructive Testing and Condition Monitoring
Artificial Intelligence	Information Technology and Systems	Optimisation and Decision Making
Autonomous Systems	Intelligent System and Automation	Production Planning and Scheduling
Big Data and Data mining	Internet of Things	Prognostics and Diagnostics
Cloud Computing	Machine Learning	Robotics
Control Theory and Application	Machine Vision and Image Processing	Smart Sensing Technology
Cyber Physical Systems	Metrology and Inspection technology	System Diagnosis and Identification
Digital Manufacturing and Enterprise Technologies	Neural Networks, Fuzzy Logic, and Genetic Algorithms	System Control, Modelling and Simulation
Digital Twins		Virtual and Augmented Reality
Flexible and Computer Integrated Manufacturing		Wireless Sensor Networks
Human-Machine Collaborations		

SUBMISSIONS:

The submitted papers should be no more than 6 pages (A4 paper) with IEEE conference paper format. The conference details and the paper template for ICAC2023 are available on the conference website. The first page of each paper should include the title of the paper, an abstract with no more than 200 words, up to 5 key words, authors' name(s), complete postal addresses, and email address for correspondence. Electronic form of submission, in Word or PDF, is acceptable and preferred. Accepted papers will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements. Authors of selected papers will be invited to submit extended article versions to special issues of [Systems Science & Control Engineering](#) and special issues of [International Journal of Rapid Manufacturing](#). The ICAC2022 Proceeding has been published in IEEE Xplore (<https://ieeexplore.ieee.org/xpl/conhome/9911058/proceeding>) since Oct. 2022.

The papers should be submitted online at <https://cmt3.research.microsoft.com/ICAC2023>.

For detailed up-to-date information, please visit the conference website <http://www.cacsuk.co.uk/icac>.

SPECIAL SESSIONS:

The conference welcomes the proposals of special sessions. Please follow the link for details of [proposing special sessions](#).

BEST STUDENT PAPERS:

Papers with the first author being PhD students are eligible for Best Student Paper Awards. The authors shall clearly indicate whether their papers are qualified for the awards in submission. The best papers will be assessed by a panel based on academic significance and presentation performance, and awards certificates will be presented to the authors in the conference

IMPORTANT DATES:

Paper submission deadline	30 April 2023	20 May 2023
Notification of acceptance	31 May 2023	15 June 2023
Camera-ready copy due		30 June 2023