

# The 17th International Conference on Automation and Computing (ICAC'11)

10 September 2011, University of Huddersfield, Huddersfield, UK

## Conference Chair

Xun Chen  
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## Financial Chair

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## Local Organisation Com- mittee members

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Joan Lu  
Fengshou Gu

## Organiser

The Chinese Automation  
and Computing Society in  
the UK



## Technical Co-Sponsor

IEEE Control Systems  
Society United Kingdom  
and Republic Ireland  
Chapter



<http://www.cacsuk.org>

## Call for Papers

### Conference Theme: Computational Intelligence

**AIMS:** The aims of the conference are to provide a forum for scientists, engineers, scholars and students to exchange ideas and update technical knowledge and to provide a platform where joint research programmes can be formulated for mutual benefit. The conference welcomes participations and contributions from those involved in both theoretical research and practical applications of all aspects of automation, engineering, and computer science. In addition to the technical sessions, there will be plenary sessions.

**SCOPE:** The scope of the conference covers a broad spectrum of areas with multi-disciplinary interests in the fields of automation, control engineering, computing and information systems, ranging from fundamental research to real-world applications. The conference welcomes the submission of papers in the nature of original research, technical review and tutorial from following, but not limited to, areas:

- Artificial Intelligence
- Autonomous Systems and Sensor Integration
- Communications and Networks
- Computer Architecture
- Computer Graphics & Visualization
- Information Network Security
- Control Methodologies and Applications
- Database and Knowledge Support
- Digital Manufacturing and Enterprise Technologies
- Flexible Manufacturing and CIM
- Networked Control
- Human Computer Interaction
- Information Technology and Information Systems
- Interface Design & Human Factor
- Machine Vision and Image Processing
- MEMS and micro devices
- Metrology and System Reliability
- Modelling and Simulation
- Multimedia Systems and Applications
- Neural Networks, Fuzzy Logic, and Genetic Algorithms
- Nondestructive testing, evaluation and condition monitoring
- Optimisation and Decision Making Support
- Process Modelling, Control and Optimal Design
- Robust and Adaptive Control
- Robot Control and Intelligent Sensors
- Software Testing and Reuse
- Systems Engineering
- System Diagnosis and Identification
- Supply Chain and Logistics
- Virtual Reality and Applications
- Wireless Sensor Networks

**SUBMISSIONS:** Papers should describe the original work with focused details. It should be no more than 6 pages (A4 paper) including figures, references, and appendices, in double columns with left/right margins of 20 mm and top/bottom margins of 26 mm, column separation 0.6 cm in center. The conference detail and the paper template for ICAC'11 are available on the CACSUK web site <http://www.cacsuk.org>. 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, author's name(s), complete mailing addresses, and email address for correspondence. Electronic form of submission, in Word or PDF, is acceptable and preferred. The presenter of each paper needs to be clearly indicated in the first page. All contributions along with TWO suggested topics listed above should be emailed to Jian FU (J.Fu@lboro.ac.uk).

With the technical co-sponsorship of IEEE CSS UKRI Chapter, a discussion is undergoing to include all the conference papers in *IEEE Xplore* so EI indexed. This will make the conference papers are accessible by a much wider academic community. Authors of selected papers are invited to submit a revised version of their papers for publication in a special issue of *International Journal of Computational Intelligence Systems* and other journals including *International Journal of Automation and Computing*.

**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 award certificates will be presented to the authors in the closing ceremony.

#### IMPORTANT DATES

Paper submission deadline----- 3rd June 2011  
Notification of acceptance----- 16 July 2011  
Camera-ready copy due----- 5 August 2011

**CONFERENCE FEE:** £80.00 (Full registration), £40.00 (Student registration)