

CONTROL 2010

UKACC International Conference on Control 2010

COVENTRY UNIVERSITY, COVENTRY, UK

7-10 September 2010

CALL FOR PAPERS

The UKACC International Conference on Control 2010 (CONTROL 2010) will take place at Coventry University, Coventry, UK. It is organised through the Control Theory and Applications Centre (CTAC), an interdisciplinary research centre based within the Faculty of Engineering and Computing.

Scope of Conference

CONTROL 2010 will aim to bring together engineers and scientists from academia, research institutes and industry to network and discuss the advances and developments in the general area of Control; with particular emphasis being placed on applications, typically including sessions on the following themes:

Advanced Informatics and Control	Image and Signal Processing
Algorithms and Architectures	Industrial Process Applications of Control
Artificial Intelligence in Control	Logistics and Scheduling in Manufacturing
Biomedical Engineering Systems	Modelling and Simulation Tools for Control
Control Applications in Transportation Systems	Networked Control Systems and Applications
Design Methods of Control Systems	Nonlinear Control System Design
Educational Developments in Control	Robotics and Automation
Energy Efficiency and Environmental Systems	Smart Sensors and Actuators
Estimation and Filtering for Control	Supply Chain Modelling and Control
Fault Detection and Condition Monitoring	System Identification

Preliminary programme

The programme will consist of traditional themed tracks with contributed and invited papers as well as tutorial sessions and workshops. Special interactive sessions comprising a mix of computer software-algorithm demonstration along with shorter presentations will also be included, allowing hands-on experience with the latest developments. A further category of short industrial papers will be featured on Industry Day along with the three mini-symposia organised by the three professional member bodies of the UKACC: The Institute of Measurement and Control, The Institution of Engineering and Technology and The Institution of Mechanical Engineers. In addition there will be three plenary presentations (one on each of the first three days) and two semi-plenary presentations on the last day. It is planned that a Pre-Conference Workshop for postgraduate research students will be held on Monday 6th September, with a limited number of places being available.

Important dates

Expressions of interest for invited session, tutorial, workshop proposals	22 January 2010
Full draft paper submission deadline	12 February 2010
Paper acceptance notification	16 April 2010
Final manuscript submission and early bird registration deadline	25 June 2010
Pre-conference workshop registration deadline	25 June 2010

Submission of papers

Papers should conform to the IFAC double column format, centred title, abstract and key words, six A4 pages maximum. An additional page charge will be made for papers exceeding this limit. Authors should adhere strictly to the paper submission guidelines which may be found on the CONTROL 2010 website.

Preliminary arrangements

The full conference fee is estimated at £460 (members of co-sponsoring professional bodies) and £495 (non-members) with an early bird discount of £25. There will be reduced fees for students and retired persons as well as a single day rate allowing industrialists to participate for one day only; the fee for these categories is estimated at £300 (members) and £335 (non-members) an early bird fee will not apply. The full-fee includes CD-ROM proceedings, Welcome Reception on the 6th September, Civic Reception on the 7th, Delegates Cocktail & Refreshments on the 8th, Conference Banquet on the 9th and Farewell Party on the 10th. Refreshments and tea/coffee breaks will be provided as well as light snacks/sandwiches for lunch.

Chairs and Co-Chairs of Committees and Panels

The organisation, planning and operation of the CONTROL 2010 event will be overseen by four committees and panels, with specific responsibilities, each comprising of a Chair and Co-Chair. The full membership of these committees and panel are listed on the CONTROL 2010 website.

General Conference Committee

Chair: Prof Keith J Burnham
Co-Chair: Prof Geoff N Roberts

International Programme Committee

Chair: Prof Keith R Godfrey
Co-Chair: Prof Derek P Atherton

Local Organising Committee

Chair: Dr Olivier C Haas
Co-Chair: Mr Tomasz Larkowski

Industrial Advisory Panel

Chair: Prof Robert A Williams
Co-Chair: Dr Richard I Stephens

Plenary speakers

Professor Torsten Soderstrom, Uppsala University, Sweden <i>System identification for errors-in-variables problems</i>	7 September 2010
Dr Mike J Richardson, Jaguar Land Rover, Coventry, UK <i>Hybrid vehicles – the system and control system challenges</i>	8 September 2010
Professor Roger M Goodall, Loughborough University, UK <i>Control engineering challenges for railways of the future</i>	9 September 2010
Two semi-plenary sessions to be confirmed	10 September 2010

Industry Day (8th September)

This day is dedicated to industrial oriented activities and will feature shorter industrial papers and themes. The morning will comprise mixed parallel sessions organised by the Industrial Advisory Panel whilst in the afternoon, there will be parallel mini-symposia organised by the three professional member bodies of UKACC. Authors wishing to contribute to the mini-symposia only should submit their contributions to the coordinators listed below. (E-mail addresses may be found on the CONTROL 2010 website.) Mini-symposia papers may also be included in the CONTROL 2010 proceedings, in which case authors must additionally submit their papers to the CONTROL 2010 conference management system and shall follow the normal review procedure. The titles and coordinators of the three mini-symposia are as follows:

Mini-Symposia

Challenges in sub-sea systems: monitoring, reliability and control, organised by The Institute of Measurement and Control, Chair: Mr Mike Theobald, Co-Chair: Dr C James Taylor

Exploration and control in extreme environments, organised by The Institution of Engineering and Technology, Chair: Mr John Pittwood, Co-Chair Prof Paul McKenna

Renewable energy systems, organised by The Institution of Mechanical Engineers, Chair: Prof Andrew Plummer, Co-Chair: Prof Eric Rogers

Exhibitions and demonstrations

CONTROL 2010 invites organisations and companies who wish to exhibit and/or demonstrate their products, software, hardware, laboratory equipment, books and journals. Interested parties should contact the Exhibition Coordinator. For contact details, including registration arrangements for exhibitors, see the CONTROL 2010 website.

General Conference Committee

Comprises the Chairs and Co-Chairs of the Committees and Panels listed above, the Mini-Symposia Coordinators, Mr Vincent Ersanilli (Conference Manager), Dr David Goodall (Special/Invited Session Coordinator), Mr Joe Mahtani (Exhibition Coordinator) and Prof Sarah Spurgeon (Chair UKACC).

Contact details including postal, telephone, fax, and e-mail address for all queries, e.g. guidelines for submission of papers, proposals for invited sessions, exhibitions and demonstrations

The CONTROL 2010 conference website may be found at: www.coventry.ac.uk/control2010

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