

Third Announcement and Third Call for Papers

The 12th Mechatronics Forum Biennial International Conference

June 28-30, 2010

Swiss Federal Institute of Technology, ETH Zurich, Switzerland

Mechatronics systems are at the interfaces of electronics, computer science and information technology, mechanical engineering, and fundamental engineering design methodology. New products and systems based on mechatronic concepts demonstrate significantly reduced system complexity and cost, increased performance, and otherwise unattainable capability and flexibility. Mechatronics 2010 is a continuation of the IMechE Mechatronics Forum biennial international conferences. High quality papers are sought from the international Mechatronics community. Industrial contributions, particularly case studies describing state-of-the-art technology, are especially welcome. Preference will be given to papers that highlight synergistic aspects of mechatronics application, analysis or simulation, and education.

Keynote Lecturers

Prof. Toshio Fukuda – JP
Dr. Jens Hamann – DE
Prof. Rolf Isermann – DE
Prof. Roland Kasper – DE
Prof. André Preumont – BE
Prof. Roland Siegwart – CH
Prof. Kevin Warwick – UK

Chairman/Host

Prof. Harald Wild – CH
Prof. Konrad Wegener – CH

Conference Events

Joined IMechE - IET best paper award
Company visits on Thursday July 1st
Social program for attendants

Important Dates

15.01.2010 – Deadline extended abstracts
15.02.2010 – Extended abstract notification
31.03.2010 – Deadline full papers
30.04.2010 – Paper notification

Fees (incl. banquet and printed proceedings)

| | |
|---------------------------------------|---------|
| Delegate/author/co-author | € 620.- |
| Late registration after April 9, 2010 | € 670.- |
| Sponsor member | € 580.- |
| Late registration after April 9, 2010 | € 630.- |
| Student/PhD-Student | € 460.- |
| Late registration after April 9, 2010 | € 510.- |

Further information on our homepage:

www.mechatronics2010.com

Sponsors

IMechE
IET
inspire
Swiss Society for Automatic Control
SWISSMEM

IWF

Institut für Werkzeugmaschinen und Fertigung
Institute of Machine Tools and Manufacturing

Institution of
**MECHANICAL
ENGINEERS**

ETH

Eidgenössische Technische Hochschule Zürich
Swiss Federal Institute of Technology Zurich

The 12th Mechatronics Forum Biennial International Conference

June 28-30, 2010

Swiss Federal Institute of Technology, ETH Zurich, Switzerland

Conference Topics

- New Materials, Intelligent Materials, Active Control
- Renewable Energy & Product Design
- Aid to Disability e.g. Assisted Living
- Automotive Applications & Formula-1
- Calibration, Measurement and Inspection
- Robotic and Autonomous Vehicles
- Machine Tools, Manufacturing Processes, Precision Machining and Machinery
- Bio-Mechatronics, Medical and Biomedical Engineering and Applications
- Wireless Sensor and Distributed Control
- MEMS (Micro-Electronic and Micro-Mechanical Systems)
- Nano- and Micro-Mechatronics
- Space and Underwater Applications
- System Modeling: Tools, Analysis and Simulation
- Textile Manufacturing
- Novel Mechatronic Systems (sensors/actuators and embedded control)
- Design for Sustainability, Recycling Technology
- Mechatronics Education

International Programm Committee

Prof. Memis Acar – UK
Prof. Job van Amerongen – NL
Prof. Roland Anderegg – CH
Prof. Silvano Balemi – CH
Prof. Ramutis Bansecicius – LT
Prof. John Billingsley – AU
Prof. David Bradley – UK
Prof. Hendrik Von Brussel – BE
Prof. Jian S. Dai – UK
Prof. Brian Davis – UK
Prof. Stephen Dodds – UK
Prof. Toshio Fukuda – JP
Prof. Jacques Giovanola – CH
Prof. John Gray – UK
Prof. Lino Guzzella – CH

Prof. Hani Hagrais – UK
Prof. Raoul Herzog – CH
Prof. Rolf Isermann – DE
Prof. Roland Kasper – DE
Prof. Richard King – NZ
Prof. Kostadin Kostadinov – BG
Prof. Mark Lee – UK
John Millbank – UK
Prof. Phillip Moore – UK
Prof. Heinrich Schwarzenbach – CH
Prof. Geoff Roberts – UK
Prof. Mike Jackson – UK
Prof. Andrew Plummer – UK
Dr. Geoff Pegman – UK
Dr. Ken Rotter – UK

Prof. David Russell – US
Dr. Abbas A. Dehghani-Sanij – UK
Dr. Monica Schofield – DE
Prof. Roland Siegwart – CH
Dr. Daniel Toal – IE
Prof. Andrea Vezzini – CH
Prof. Gurvinder S. Virk – NZ
Prof. Kevin Warwick – UK
Prof. Konrad Wegener – CH
Prof. Harald Wild – CH
Dr. Xiu-Tian Yan – UK
Prof. Leo De Vin – SE
Dr. Saeed Zahedi – UK
Prof. Oliver Zirn – DE

Authors are invited to submit an extended abstract written in English of up to 2'000 characters within the conference themes and topics listed above. Extended abstracts should include a thorough and concise description of the work/research. They will undergo a double-blinded peer review process.

For submission, please refer to our website: www.mechatronics2010.com

Accepted papers may have a length of up to 8 pages. Selected papers will be published in several international journals.

For more information, or to be added to our mailing list, please contact the conference secretary:
mechatronics2010@iwf.mavt.ethz.ch