



IEEE MULTI-CONFERENCE ON SYSTEMS & CONTROL

September 3-5, 2008, San Antonio, Texas (USA)

CCA
CACSD
ISIC

IEEE INTERNATIONAL CONFERENCE ON CONTROL APPLICATIONS

IEEE INTERNATIONAL SYMPOSIUM ON COMPUTER-AIDED CONTROL SYSTEMS DESIGN

IEEE INTERNATIONAL SYMPOSIUM ON INTELLIGENT CONTROL

Invitation

On behalf of the Organizing and International Program Committees of the **2008 IEEE Multi-conference on Systems and Control (MSC)** we are delighted to invite you to participate at the joint gathering of three of the major international conferences promoted by the **IEEE Control Systems Society**: the **International Conference on Control Applications (CCA)** the **International Symposium on Computer-Aided Control Systems Design (CACSD)** and the **International Symposium on Intelligent Control (ISIC)**. The joint conferences are to be held on **September 3-5, 2008** at the Hilton Palacio del Rio in **San Antonio, Texas**. The International Program Committees have put together excellent technical programs for the CCA, CACSD, and ISIC which are complemented by six outstanding plenary talks and preceded by three workshops. In addition, several social events are being planned, including a welcome reception on September 2, an evening banquet on September 4, and a unique closing reception on September 5 at the Witte Museum, hosting the Genius of Leonardo exhibit, which is a collection of life-size machines designed by Leonardo and built to his specifications. The 2008 MSC has established an exciting innovation for the exchange of current and emerging results: **late news poster session papers**, which will be accepted between June 10 and June 27. The call for these papers is included below. Below is also the initial call for nominations for the 2008 Industry Award for Excellence in Translational Control Research. We hope that you and your family will join us in beautiful San Antonio.

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Plenary speakers

- Jay Farrell**, University of California, Riverside, USA
Vehicle Autonomy and Intelligent Control: Where Are We and What Lies Ahead?
- Homayoon Kazerooni**, University of California at Berkeley, USA
That Which Does Not Stabilize, Will Only Make Us Stronger
- Jean de Lafontaine**, NGC Aerospace, Canada
Computer-Aided Software Design for Spacecraft Guidance, Navigation and Control
- Kameshwar Poola**, University of California at Berkeley, USA
Modeling, Control, and Optimization: Critical Technologies in Semi-conductor Manufacturing
- Greg Stewart**, Honeywell, Canada
How Many Angels Can Dance on the Head of a Pin? Development of Next Generation Turbodiesel Controls
- Andras Varga**, German Aerospace Center – DLR, Germany
Solving Control Problems - A Numerical Perspective



Workshops

- Optimal Control of Switching/Hybrid Systems with Applications to Hybrid Electric Vehicles, DC-DC Converters, and Autonomous Mobile Robots**
Ray DeCarlo, Steve Pekarek, Purdue University (USA), **Miloš Žefran**, University of Illinois (USA).
- Intelligent Systems for Modeling and Control: Advances in Design and Validation**
Danil Prokhorov, Toyota Tech. Center (USA), **Johann Schumann**, RIACS/NASA Ames Research Center (USA).
- RACT - Randomized Algorithms Control Toolbox: a Tutorial Introduction**
Fabrizio Dabbene, Politecnico di Torino (Italy), **Constantino Lagoa**, The Pennsylvania State University (USA), **Pavel Shcherbakov, Andrey Tremba**, Institute for Control Sciences (Russia).

All the workshops will be held on **September 2**. One free workshop registration is available to all graduate students.

Call for Late News Poster Session Papers

The Organizing Committee is pleased to invite you to participate in the **2008 IEEE MSC** through a new and exciting innovation for the exchange of current and emerging results. A **Late News Poster Session** will be held at the conference presenting last minute innovative research results. Please submit papers in the usual format but limited to only two pages electronically through the IEEE CSS conference management system at <http://css.paperplaza.net>. If the paper is accepted, the papers and their abstracts will be listed in a special section of the Final Program and Book of Abstracts and a 2-page long paper can be uploaded for inclusion in the CD-ROM proceedings available at the conference. The papers will not appear in IEEE Xplore and the authors or their companies will not need to transfer the copyright. Please refer to the conference web site at <http://conferenze.dei.polimi.it/msc08> for the most up-to-date information.

Call for Nominations for the 2008 Industry Award for Excellence in Translational Control Research

The **2008 Industry Award for Excellence in Translational Control Research** is given to recognize an individual or a team of faculty researchers whose research activity arising from Industry-University Collaboration(s) has produced substantive results with demonstrated impact. It will be made to the competitor(s) who best demonstrates research with a high-degree of excellence and effective industry-university collaboration with proven record of success in translating systems and control theory and to practical benefits for industrial or commercial systems. Award winner will receive \$1,750 as cash prize, a certificate laminated on a plaque and travel expenses to the MSC08, round trip restricted (minimal) coach air fare, conference registration, and three hotel nights at conference rate. See the conference website for further information. The award is funded by **Xerox Corporation**.

Important deadlines

Late News Papers submission:	June 27, 2008	Advance registration deadline:	August 4, 2008
Notification of acceptance:	July 11, 2008	Industry Award nomination submission:	August 1, 2008
Final submission:	July 28, 2008	Industry Award recipient announcement:	August 15, 2008

Closing Reception Invitation

The Organizing Committee is delighted to invite you to attend the **Closing Ceremony** planned on **September 5** at the **Witte Museum**, hosting the unique exhibit **The Genius of Leonardo** (http://conferenze.dei.polimi.it/msc08/msc_social.htm)

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