The Ninth IEEE International Conference on Control & Automation

December 19 – 21, 2011
Santiago, Chile

Call for Papers

The 9th IEEE International Conference on Control & Automation (IEEE ICCA’11) will be held from December 19 to 21, 2011, in Santiago, Chile. The conference is jointly organized by IEEE Control Systems Chapter, Singapore, Chilean Association of Automatic Control, ACCA (IFAC Member) and IEEE - Chile, and is technically sponsored by IEEE Control Systems Society, University of Chile, University of Santiago, P. Catholic University and Talca University. It aims to create a forum for scientists and practicing engineers throughout the world to present the latest research findings and ideas in the areas of control and automation.

Santiago is the capital of Chile, and the center of its largest conurbation (Greater Santiago). It was founded by the Spanish Conquistador Pedro de Vadivía on February 12th, 1541 in the Río Mapocho Valley, at the foothills of the Santa Lucía hill. It is located in the Central Valley, between the Cordillera de la Costa and Cordillera de los Andes. The climate of this area is Mediterranean and warm. The most important wineries in the country are located in the valleys surrounding Santiago, a few kilometers away from the city. Its proximity to the Andes mountains lets visitors enjoy winter sports in Valle Nevado, Portillo and Farellones ski resorts. Its proximity to the Pacific Ocean also allows visiting the colorful Valparaíso and the nice beaches of Viña del Mar.

IEEE ICCA Proceedings are included in

• • • El Compendex, IEEE Xplore and ISI Proceedings (ISTP) • • •

Topics of interest include but not limited to:

- Modeling of Complex Systems
- Linear Systems
- Robust and H∞ Control
- Nonlinear Systems and Control
- Fuzzy and Neural Systems
- Estimation and Identification
- Fault Detection
- Process Control & Instrumentation
- Motion Control
- Flexible Manufacturing Systems
- Integrated Manufacturing
- Factory Modeling and Automation
- Petri-Nets and Applications
- Micro and Nano Systems
- Sensor networks, networked control
- Optimal Control
- Discrete Event Systems
- Adaptive Control
- Learning Systems
- Intelligent and AI Based Control
- Real-time Systems
- Sensor/data fusion
- Robotics
- Automated Guided Vehicles
- Control Education
- Control Applications
- Process Automation
- Man-machine Interactions
- Smart Structures
- Multi-agent systems

3 keynote speeches by internationally renowned experts in control and automation, Professors Graham C. Goodwin (IEEE Fellow), Kumpati S. Narendra (IEEE Fellow), and Pedro Alberto (IEEE Fellow), together with a plenary panel discussion forum on emerging topics will be arranged in the conference program.

Submission of Papers:

Authors should submit the full version of their manuscripts online through the conference website at http://uav.ece.nus.edu.sg/~icca11/. General inquiries should be addressed to the Program Chair, Professor Hai Lin at the National University of Singapore (Email: iiee-icca2011@ntu.edu.sg).

Proposals for invited sessions in the related areas are also solicited and should be submitted through email to Invited Session Chairs, Professor Gary Feng at the City University of Hong Kong (Email: megfeng@cityu.edu.hk) and Professor Jianxin Xu at the National University of Singapore (Email: eleujx@s.nus.edu.sg).

All materials must be written in English, and a paper should be submitted only if you intend to present the paper at the conference. The manuscript to be submitted to the conference should contain sufficient details including key concepts and novel features of the work. It should include the title, authors, mailing addresses, affiliations, telephone and fax numbers and email addresses.

Important Dates:

- Deadline for Manuscript Submissions: April 15, 2011
- Notification of Acceptance: July 15, 2011
- Submission of Final Manuscripts: September 15, 2011