



6th IEEE International Conference on Automation Science and Engineering

August 21-24, 2010, Toronto, Ontario, Canada



Call for Papers

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Please send email inquiries
to case2010info@gmail.com.

The 6th annual IEEE Conference on Automation Science and Engineering (IEEE CASE), sponsored by the IEEE Robotics and Automation Society (RAS), will be held on **August 21-24, 2010 in Marriott Eaton Centre Hotel, Toronto, Ontario, Canada**. CASE is the flagship automation conference of the IEEE RAS. It constitutes the primary forum for cross-industry, multidisciplinary research in automation. The goal of the conference is to provide a broad coverage and dissemination of foundational research in automation among researchers, academics, and industry practitioners.

Important Dates

Jan. 15: Special session proposal submission due

**Feb 1: Special session acceptance notification
Tutorial/Workshop proposal submission due**

Feb 12: Paper submission deadline

March 1: Tutorial and Workshop acceptance notification

May 15: Paper acceptance notification

May 30: Conf registration opens

June 15: Final paper submission deadline

August 21: Tutorials & Workshops

August 22-24: Main conference events

The technical program of IEEE CASE will consist of plenary talks, paper presentations, special sessions, and workshops/tutorials on cutting edge and industry oriented topics, workshops and tutorials. **Best Conference Paper, Best Application Paper, and Best Student Paper** will be selected based on the reviews and the presentation.

For submission of papers and proposals, please, follow the link:

<http://ras.papercept.net/conferences/scripts/start.pl>.

Types of Contributions include: Regular contributed papers, Special Session papers, Special Session Extended Abstracts.

Page Limits: Initial submissions of regular and special session papers can be up to 8 pages in length. The page limit for the final submissions is 6 pages. Extended abstracts must have a maximum length of 3 pages.

Templates: All types of contributions must be in the form of a pdf file with maximum size of 2 MB. The page settings (formatting margins, text width, etc.) must follow the IEEE R&A template for US letter-size conference papers. The relevant support files for Latex and MS-Word word processors can be accessed at: <http://ras.papercept.net/conferences/support/support.php>.

Submission of Videos: Each paper may be accompanied by a short (less than 5 MB) video that can be submitted with the paper for review. The videos that accompany the accepted papers will be included in the conference DVD and in IEEE Xplore.

The theme of the conference is: **partnership for automation**. With the rapid advances of processing, communication, and sensing technologies, the science and engineering of automation is finding expanding ranges of applications. This conference will aim to emphasize the partnership, connection, and synergy between **industrial applications** (e.g., semiconductor manufacturing, life science automation, aerospace automation, renewable energy, biomedical systems, and micro and nano systems) and **algorithmic and analytic foundation** (planning, scheduling, manipulation, sensing and localization, and application domains). Strong industrial participation is sought to highlight the diversity and commonalities of industrial automation needs and solutions. Special sessions are sought in both thematic algorithmic and application areas.