

# 2009 IEEE Conference on Automation Science and Engineering



August 22 – 25 2009, Bangalore, India  
Sponsored by IEEE Robotics and Automation Society



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**Important Dates:**

February 1, 2009:

Submission of papers, tutorials and invited/special sessions

April 30, 2009:

Paper acceptance notification

May 30, 2009:

Final paper submission due

## Call for Papers

The fifth annual IEEE Conference on Automation Science and Engineering, IEEE CASE 2009, sponsored by the IEEE Robotics and Automation Society, will be held during August 22 - 25 2009 in Bangalore, India. The goal of the conference is broad coverage and dissemination of foundational research on automation among researchers, academicians and industry practitioners. The focus would be on scientific methods for machines and systems operating in structured environments over long periods, and also on the explicit structuring of environments. Special themes for the 2009 conference include: Green Technologies and Automation; Knowledge Services and Automation; Self Aware Automation; Internet Automation and Internet Search and Analytics.

CASE is an offspring of the IEEE Transactions on Automation Science and Engineering, IEEE T-ASE, ([www.ieee.org/t-ase](http://www.ieee.org/t-ase)). High quality CASE papers will be recommended for publication in this flagship journal.

The technical program of IEEE CASE will consist of workshops, invited talks, posters and paper presentations. Submitted papers should describe original work in any of the following and other related areas:

- Ambient Intelligence
- Automatic Identification & Security
- Automation in Life Sciences: Biotechnology, Pharmaceutical & Health Care
- Business & Software
- Construction Automation
- Data Analytics for Automation
- Discrete Event Systems & Petri Nets
- Food Handling & Processing
- Green Technologies & Automation
- Human-Machine Interaction & Coordination
- Instrumentation & Measurement
- Intelligent Transportation
- Internet Automation
- Internet Search & Analytics
- Knowledge Services & Automation
- Laboratory Automation
- Manufacturing Automation
- Maintenance & Diagnosis
- Multi-sensor Fusion & Integration
- Micro/Nano-scale Automation & assembly
- Product Design, Development & Prototyping
- Planning, Scheduling & Coordination
- Self Aware Automation
- Semiconductor manufacturing Supply Chain Management
- System Modeling, Analysis & performance Evaluation
- Vision on Automation
- Workflow Analysis & Management

**Paper Submissions:** Author(s) should submit full papers electronically in double column IEEE-compliant PDF format. All papers will be peer-reviewed. Accepted papers will be published in CD-ROM. Detailed instructions for paper preparation and submission will be available on the conference web site: <http://www.ieee-case.org>

**Bangalore:** Bangalore is currently destination number one for all global companies, especially those belonging to the IT sector. It is aptly called the Silicon Valley of India. It enjoys salubrious weather throughout the year and is known as India's air-conditioned city. It is home for India's premier research institutions including the Indian Institute of Science and numerous federal research labs.

