

**2008 IEEE Conference on  
Automation Science and Engineering**  
August 23-26, 2008  
Washington DC, U.S.A.



*Sponsored by IEEE Robotics and Automation Society*



**Special Industrial Session on  
*Automation Research and Applications in  
Manufacturing and Service***

**Call for Papers/Abstracts**

The fourth annual IEEE Conference on Automation Science and Engineering (IEEE CASE 2008), sponsored by the IEEE Robotics and Automation Society, will be held from August 23 to 26, 2008 in Washington DC, U.S.A. The conference goal is the broad coverage and dissemination of foundational research on automation among researchers, academicians, and industry practitioners. The focus is on scientific methods for automated machines and systems operating in structured environments over long periods, and also on the explicit structuring of environments.

The proposed industrial session on automation research and applications in manufacturing and service of IEEE CASE 2008 will consist of paper/abstract presentations and posters. Submitted papers or abstracts must describe original work, in the form of modeling, algorithms, analysis and case studies that improves efficiency, productivity, quality, and reliability. The goal of the special session is to bring practitioners from industry into a forum, to show the state-of-the-art industrial research and applications in automation for manufacturing and service, present efficient scientific and engineering solutions, address the needs and challenges for integration with new technologies, exchange novel ideas with academic researchers, and provide visions for future industry research and development. The topics can cover any areas related to (but not limited to) process control, product design, system modeling and analysis, supply chain management, sensor networks, data mining and analysis, simulations, etc.

**Paper/abstract Submissions:** Authors could submit **either 6-page full papers or abstracts** (at least one of the authors must come from industry or non-academic institution). Papers or abstracts should be submitted to the following session organizers **directly**. At least one of the authors must register and present their work in the conference.

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The authors who submit full papers could also submit electronically in double column IEEE-compliant PDF format through the conference web site: <http://www.ieee-case.org> as well. The accepted full papers will be included in conference proceedings.

**Important Date: February 29, 2008** Submission of full paper or abstract

**Venue:** The venue for the conference is Key Bridge Marriott ([www.keybridgemarkriott.com](http://www.keybridgemarkriott.com)). This hotel is a five minute walk to the Key Bridge, linking Arlington, Virginia to the Capitol District. The Iwo Jima Memorial, Arlington National Cemetery, the Pentagon, the Kennedy Center, NSF, ARPA, NASA, and downtown Georgetown are all a short distance.

