



2014 IEEE International Conference on Automation Science and Engineering



August 18-22, 2014, Taipei, Taiwan
www.case2014.org



Call for Papers

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Objective: The tenth annual IEEE International Conference on Automation Science and Engineering (IEEE CASE 2014), sponsored by the IEEE Robotics and Automation Society (RAS), will be held from August 18 to 22, 2014, in Taipei, Taiwan. The conference theme is “**Frontiers of Intelligent Automation Science and Technology for Better Quality of Life**”. IEEE CASE is an offspring of the *IEEE Transactions on Automation Science and Engineering* (www.ieee.org/t-ase), represents the flagship automation conference of the IEEE RAS, and constitutes the primary forum for cross-industry and multidisciplinary research in automation. Its goal is to provide a broad coverage and dissemination of foundational research in automation among researchers, academics, and practitioners.

Program: The technical program of IEEE CASE 2014 will consist of tutorials/workshops, keynote/plenary speeches, automation forums, and oral/poster presentations. Papers describing original work on abstractions, algorithms, theories, methodologies, and case studies are invited. Accepted and presented papers will be published in the conference proceedings, and submitted for inclusion into IEEE Xplore® as well as other Abstracting and Indexing (A&I) databases.

Topics: CASE 2014 invites submissions of high-quality research papers describing original and unpublished work. The topics include but are not limited to: Foundations of Automation; Agriculture; Life Science and Health Care; Automation in Meso, Micro, and Nano-scale; Manufacturing Automation; Discrete Event Systems; Scheduling and Optimization; Mechatronics; Industrial Informatics; Sustainable Production; Logistics and Supply Chain Management; Networked and Control Systems; Power and Energy Systems; Smart Buildings; Big Data and Data Mining; Cloud Computing for Manufacturing Automation; Automation for Machine Tools; and Emerging Topics in Automation. Detailed instructions for the preparation and submission of papers can be found at www.case2014.org.

Important Dates:

February 15, 2014

March 1, 2014

March 1, 2014

April 15, 2014

May 15, 2014

June 15, 2014

June 30, 2014

Special/Invited session proposal submission

Contributed paper and presentation-only abstract submissions

Workshop and tutorial proposal submission

Workshop and tutorial acceptance notification

Paper acceptance notification

Final paper submission

Deadline of advanced registration

Conference Venue: The conference will be held in the Fullon Hotel Danshui Fishermen's Wharf, located in Danshui (Tamsui) Dist., New Taipei City. The 5-star hotel has hot spring spa facilities and offers spectacular views of the Guanyin Mountain and the Danshui River mouth, especially at sunset. Nearby scenic spots are easily accessible by public transportation. We invite you to experience the landscape, rich culture, ancient architectures, and delicious snacks of Danshui.