



IEEE CCECE 2008

21st IEEE Canadian Conference on Electrical and Computer Engineering

May 4-7 2008, Niagara Falls, Ontario, Canada

<http://www.ccece08.org/>

“The Wonders of Technology”

Technical Symposium: Control and Robotics

Call for Papers

Papers are invited in English or French, including but not limited to the following related topics in control and robotics. All submissions must conform to the [CCECE'08 submission policy](#).

- Model-based controls, including adaptive, linear, multivariable, nonlinear, optimal, predictive, robust, and stochastic
- Decentralized and distributed control systems
- Discrete event, hybrid, and switched systems
- Fault diagnosis and fault-tolerant control
- Numerical techniques and computer aided analysis and design
- Identification, filtering and estimation
- Sampled-data and time delayed systems
- Neural nets, fuzzy logic, intelligent control
- Control engineering education
- Applications of controls in aerospace, automotive, biological systems, communications, guidance, power, process, mechatronics, robotics, and transportation
- Series and parallel robots design: kinematics and dynamics
- Flexible manipulators
- Humanoid, multi-legged and mobile robots
- Motion/grasp planning, obstacle avoidance
- Human-machine interfaces, haptics and teleoperation
- Sensing, sensor fusion, actuation and control
- Nano and micro robots, MEMS
- Biorobotics, biomechanical systems, and biologically inspired robots
- Robotics education and competitions
- Applications of robotics in automation, construction, entertainment, medicine, mining, rehabilitation, space, surveillance, service, transportation, and underwater

Regular Papers: Prospective authors should submit their full-length papers (4-6 pages) to the symposium using CCECE'08 [on-line submission process](#).

Special Sessions: Special sessions consist of five full-length papers, presenting a unified theme, which must be submitted [online](#). Prospective organizers should prepare a proposal according to the CCECE'08 guidelines and directly submit the proposal to the Symposium Chair.

Tutorials/Workshops: Tutorials and workshops are solicited on all related topics. Please submit your proposals by the submission deadline to xavier@ieee.org.

Industrial Exhibits and Sponsorships: Proposals are accepted at any time. Please contact the CCECE'08 Industrial Exhibits Chair at a.kormos@ieee.org or Sponsorships Chair at janbee@ieee.org.

Student Travel Awards and Paper Competitions: Please refer to the CCECE'08 website.

Important Deadlines:

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| Full-length papers submission | December 7, 2007 |
| Special Sessions proposals submission | December 7, 2007 |
| Tutorials/Workshops proposals submission | December 7, 2007 |
| Notification of acceptance | January 18, 2008 |
| Final papers submission/Author registration | March 7, 2008 |

Symposium Technical Program Committee:

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For information on other CCECE'08 technical symposia, please visit the conference website

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Special Sessions

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