



IEEE CCECE 2010

23rd IEEE Canadian Conference on Electrical and Computer Engineering

May 2-5 2010, Calgary, Alberta, Canada

<http://www.ccece2010.org/>

“Evolution of Theory: Bringing Theory and Technology into Application”

Technical Symposium: Control and Robotics

Call for Papers

Papers are invited in the area of control and robotics, including but not limited to the following related topics. All submissions must conform to the CCECE 2010 submission policy provided on the conference website.

- 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 (maximum 6 pages) to the symposium using the online submission process on the conference website.

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 2010 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 the tutorials chair at rlanderson@ieee.org.

Industrial Exhibits and Sponsorships: Proposals are accepted at any time. Please contact the CCECE 2010 Industrial Exhibits Chair or Sponsorship Chair at rlanderson@ieee.org.

Important Deadlines:

Full-length papers submission:	Friday, January 8, 2010
Special Sessions proposals submission:	Friday, January 8, 2010
Tutorials/Workshops proposals submission:	Friday, January 8, 2010
Notification of acceptance/rejection:	Friday, February 5, 2010
Author's Registration ends by:	Friday, March 5, 2010
Advance Registration ends by:	Friday, April 2, 2010

Symposium Technical Program Committee:

Amir G. Aghdam, *Concordia Univ., Canada*, aghdam@ece.concordia.ca (Chair)

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