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ICMA 2005, c/o Prof. Peter X. Liu Department of Systems and Computer Engineering Carleton University, Ottawa ON Canada K1S 5B6

IEEE ICMA 2005

2005 IEEE International Conference on **Mechatronics and Automation**

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Call for Papers

The 2005 IEEE International Conference on Mechatronics and Automation (ICMA 2005) will take place in Niagara Falls, Ontario, Canada from July 29 to August 1, 2005. Located on the border of Canada and the U.S., Niagara Falls are one of the most famous spectacles and travel destinations in North America and the world. The objective of ICMA 2005 is to provide a forum for experts in intelligent mechatronics, robotics and automation to disseminate their recent research outcomes and exchange views on the future research directions of these fields, and to seek direct cross-fertilization in these areas. Special sessions will be organized. We will also invite renowned experts to give keynote speeches. Bring your family with your research findings to ICMA 2005, enjoy our programs and appreciate the natural wonder of Niagara Falls.

Topics: The topics of interest include, but are not limited to the following:

- Intelligent mechatronics, robotics and automation
- Components, projects, and systems of micro and nano system
- Teleoperation, telerobotics, haptics
- Sensor design, multi-sensor data fusion algorithms and sensor networks
- Biomedical engineering, rehabilitation engineering, and artificial immune system
- Control system modeling and simulation techniques and methodologies
- AI, intelligent control, neuro-control, fuzzy control and their applications
- Industrial automation, process control
- CAD /CAM/ CAE and manufacturing technologies
- Navigation and control algorithms for land and underwater mobile robots
- Signal processing, image processing and pattern recognition in control systems
- And all other areas related to intelligent mechatronics theory, engineering and application

Paper Submission: The format of the paper should follow the IEEE conference papers style. ICMA 2005 will only accept the electronic submission of a full paper in English with maximum six pages on-line by uploading the PDF-format file to http://www.icma2005.org. Detailed information on paper format and submission procedure can be found on the conference web. Extended versions of accepted papers would be considered for the publication in an international journal as a special issue or book chapters.

Important Dates:

April 1 2005	Submission of full papers in PDF and organized session proposals
May 1 2005	Submission of tutorial and workshop proposals
May 15 2005	Notification of paper and tutorial/workshop acceptance
June 1 2005	Submission of final camera-ready papers

Exhibitions: There will be an exhibition site at the conference. Companies and institutions who are interested are encouraged to contact the exhibition chair for further information.

For more information on ICMA 2005, please contact:

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For detailed up-to-date information, please visit the ICMA 2005 conference web site:

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