

Special Session for Advances in Autonomous Robots

Research on Autonomous Intelligent Robots is a transdisciplinary domain drawing mainly from Artificial Intelligence, Robotics, and Cognitive Science. In order to develop an autonomous intelligent robot one needs to consider and solve various challenging, profound and pragmatic problems in the areas of perception, decision-making and mechanics. The purpose of this special session is to provide a platform to communicate and discuss the new ideas and scientific advances that will lead to more effective and more intelligent autonomous robots.

Topics for the session papers include (but not limited to):

- bioscience inspired approaches to robotics
- partially observable stochastic games for multi-robot systems
- ontology generation and management for practical robots
- human-robot interaction and communication
- knowledge representation and grounding issues
- adaptation, learning and evolution in robotics
- environment modeling and robot perception

A refereed paper will appear in one of the approved publications by the conference date:

IEEE Conference Proceedings: high quality E.I. indexed proceedings for FBIT.

International Journal of Control, Automation, and Systems: special issue of this SCIE listed journal will consider high quality papers from this special session.

Soft Computing journal: special issue of this SCIE listed journal will consider select papers with significant soft computing technique content.

Journal of Biomedicine and Biotechnology: The FBIT interdisciplinary special issue of this high impact factor journal will consider high impact factor papers with a medical or biosciences motivation. Appears by the conference date and details are in the conference pages (open access with I.F. 1.8 in SCIE).

Important Dates:

Paper Submission Deadline 20 June 2007

(click for [LaTeX](#) or [Word](#) style files)

Advance Registration Deadline 15 August 2007

Notification of Acceptance 15 July 2007

Final Program Announced 15 September 2007

Send your paper directly to the Special Session Organizers:

Email: xpchen@ustc.edu.cn and Mary-Anne@it.uts.edu.au

Professor Xiaoping Chen
University of Science and Technology of China

Professor Mary-Anne Williams
University of Technology, Sydney, Australia
