ICARCV 2006
NINTH INTERNATIONAL CONFERENCE ON
CONTROL, AUTOMATION, ROBOTICS AND VISION
December 2006
Singapore

ORGANISER
School of Electrical and Electronic Engineering,
Nanyang Technological University, Singapore

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CALL FOR PAPERS

The Ninth International Conference on Control, Automation, Robotics and Vision, ICARCV 2006, will be held in Singapore in December 2006. The conference will be organised by the School of Electrical and Electronic Engineering, Nanyang Technological University, Singapore. It will provide a forum for Control and Automation professionals, manufacturing engineers and academic researchers to exchange up-to-date technical knowledge and experiences. The conference will focus on both theory and applications. In addition to the technical sessions, there will be tutorials and plenary and invited sessions. The Proceedings of ICARCV are indexed by EI. The topics of interest are:

Control: Modeling and simulation of complex systems; Identification and estimation; Adaptive control; Robust control; Nonlinear control; Intelligent control; Hybrid systems; Computer networks control; Networked control systems; Neuro-fuzzy systems; Control applications; Control engineering education

Automation: Flexible manufacturing systems; Process Automation; Machine Interactions; Machine learning; Computer Integrated Manufacturing; Factory modeling and simulation; Intelligent automation; Instrumentation systems; Biomedical instrumentation and applications

Robotics: Kinematics, dynamics and control; Mobile robot and navigation; Intelligent sensors and actuators; Dexterous manipulation and task planning; Medical robots; Humanoid robots; Underwater robots; Telerobotics and man-machine systems; Mechatronics; Mechanism design and applications

Computer Vision: Active and robot vision; Biomedical image analysis; Feature extraction, grouping and segmentation; Illumination and reflectance modeling; Image and video analysis/retrieval/indexing; Pattern recognition; Physics-based vision; Stereo/multiview geometry/SFM; Tracking and surveillance; Applications

Submission Procedure: Papers must be written in English and should describe original work in detail. Please submit full papers to the website address http://www.ntu.edu.sg/eee/icarcv by 1 April, 2006. All submitted papers should be in the form of .pdf or .ps file and are to be limited to a maximum length of 6 pages (A4 size, single space, Times Roman of font size 10, two columns format), including figures, tables and references. Upon acceptance, authors will be required to register and present their papers. Papers will be published in the conference proceedings only if at least one of the authors is officially registered.

Invited Sessions: The Technical Program Committee is soliciting proposals for invited sessions focusing on topics of ICARCV 2006. Prospective organisers should submit proposals to the Technical Program Chairman by 1 April, 2006.

Best Paper Award: Selection of the best paper will be made at the Conference based on both the technical content and presentation. The winner will be chosen by the Technical Program Committee in consultation with the International Advisory Committee.

Important Dates:
Deadline for Full Paper Submissions : 1 April, 2006
Notification of Acceptance : 15 July, 2006
Submission of Camera Ready Manuscripts : 1 September, 2006