The 12th International Conference on Control, Automation, Robotics and Vision, ICARCV 2012, will be held in Guangzhou, China in 5-7 December, 2012. The conference is co-organised by the Nanyang Technological University of Singapore, Chinese University of Hong Kong and IEEE Guangzhou Chapter.

ICARCV focuses on both theory and applications mainly covering the topics of control, automation, robotics and vision. In addition to the technical sessions, there will be invited sessions, panel sessions and keynote addresses.

The Proceedings of ICARCV were indexed by ISI Proceedings, EI Compendex and included in the IEEE Xplore. Selected papers will be published in International Journals.

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

**Control:** Adaptive control; Robust control; Process control; Complex systems; Co-operative control; Identification and estimation; Nonlinear systems; Intelligent systems; Discrete event systems; Hybrid systems; Networked control systems; Sensor networks; Delay systems; Neural networks; Fuzzy systems; Control of biological systems; Precision motion control; Control applications; Control engineering education.

**Automation:** Man-machine interactions; Process automation; Intelligent automation; Factory modeling and simulation; Home, laboratory and service automation; Network-based systems; Planning, scheduling and coordination; Nano-scale automation and assembly; Instrumentation systems; Biomedical instrumentation and applications.

**Robotics:** Modeling and identification; Robot control; Mobile robotics; Mobile sensor networks; Perception systems; Micro robots and micro-manipulation; Visual servoing; Search, rescue and field robotics; Robot sensing and data fusion; Localization, navigation and mapping; Dexterous manipulation; Medical robots and bio-robotics; Human centered systems; Space and underwater robots; Tele-robotics; Mechanism design and applications.

**Vision:** Image/video analysis; Feature extraction, grouping and segmentation; Scene analysis; Pattern recognition; Learning in vision; Human-computer interaction; Tracking and surveillance; Biometrics; Biomedical Image analysis; Activity/behaviour recognition; Applications.

**Paper Submission:**

Papers must be written in English and should describe original work in detail. Please download the template from the conference website and submit the full papers online http://www.icarcv.org by 1 April, 2012. Upon acceptance, authors will be required to register and present their papers.

**KEYNOTE ADDRESSES AND INVITED SESSIONS**

The Organizing Committee is soliciting nominations and suggestions of keynote speakers and invited sessions for ICARCV 2012. Please forward your nominations to any member of the Organizing Committee.

**Important Dates:**

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<td>Deadline for Full Paper submission</td>
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<tr>
<td>Notification of Acceptance</td>
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<td>Deadline for Camera Ready Manuscript Submission</td>
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For further information, please refer to

Website - http://www.icarcv.org
Email - secretariat@icarcv.org