



## CIB NEWS ARTICLE

International Council for Research and Innovation  
in Building and Construction

Providing a global network for international exchange and cooperation in research and innovation in building and construction, in support of an improved building process and of improved performance of the built environment.

August 2009

Forthcoming Meeting / CIB Co-Sponsored Event

## ISARC 2010 – 27<sup>th</sup> International Symposium on Automation and Robotics in Construction



**Bratislava, Slovakia, 25-27 June 2010**

### Introduction

The International Symposium on Automation and Robotics in Construction (ISARC 2010) will be the 27th symposium. The 27th ISARC (ISARC 2010) will be held in Bratislava, the capital of Slovakia, from 25<sup>th</sup> to 27<sup>th</sup> June 2010.

ISARC 2010 is sponsored by the International Association of Automation and Robotics in Construction (IAARC). The symposium is also sponsored by the International Council for Research and Innovation in Building and Construction (CIB).

The symposium is a prestigious gathering of researchers, academics and industry practitioners in all specialty areas related to the construction industry, including civil and building engineering design and project execution, advanced construction machinery and robotics applications in construction, information technologies for planning, design, logistics, computer-aided project management, environmental protection issues, building systems monitoring and control, safety and recovery operations, and temporary/rapid construction technologies.

## Conference Themes and Topics

The Symposium will cover five broadly defined areas, including (not exclusively):

### *Automation & Robotics Applications*

Papers in this area cover concepts, prototypes and implementation of automation in planning, construction or maintenance of facilities such as highways, buildings, tunnels, marine works, industrial plants and other infrastructure projects, including disaster management.

### *Robot Technology*

Papers should cover technology components of construction robots such as sensors, end-effectors, mechanisms, human-interface, control systems, power systems, cooperative robotics, nanobots, planning & control algorithms, etc.

### *Automated Data Acquisition & Monitoring*

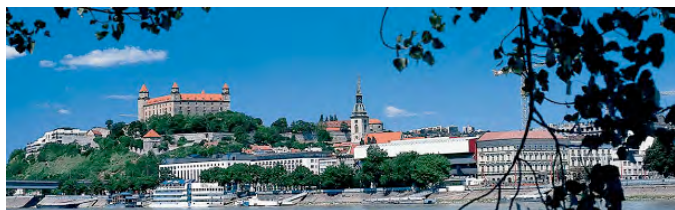
Papers cover concepts, prototypes and implementation of automated data acquisition and monitoring systems for planning, procurement, control, construction or maintenance using technologies such as GPS, RFID, Computer-Aided Imaging, LIDAR, MEMS, wireless sensing, communications and systems for ubiquitous & pervasive computing.

### *Information & Computational Technology*

Papers should cover the use of information & computational technologies in architecture, design, planning and management of construction projects. Example topics include, but are not limited to, databases, integrated data models, nD-CAD, decision support systems, expert systems, virtual reality, web technologies, intelligent tutoring systems, knowledge management, intelligent agent-based subcontracting systems, optimisation, artificial intelligence, soft computing, parallel programming, simulation, mobile computing, GIS, etc.

### *Management & Social Issues*

Papers cover managerial & social issues which have to be considered in implementing construction automation and robotics. The problem areas covered can be related to economics, organizational issues, legal matters, intellectual property, web-based project management, e-business, manpower utilization, globalization, competitiveness, productivity, contracts, trade unions, quality, safety, sustainability, culture, etc.



## Key Dates

Abstract Submission:	30 November 2009
Abstract Acceptance:	15 January 2010
Paper Submission:	15 February 2010
Paper Acceptance:	15 April 2010
Early Registration:	30 April 2010
Final Paper Submission:	15 May 2010
Conference Dates:	25-27 June 2010

## Symposium Registration

Registration Fee in EURO


	Before 30 April 2010	After 30 April 2010
Presenter	350	450
Co-Authors	350	450
IAARC Members	300	400
CIB Members	300	400
Non Members	400	500
Student Rate	150	250
Partner of Participant	150	200

## Information

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Official website of conference:  
[www.isarc-2010-bratislava.sk](http://www.isarc-2010-bratislava.sk)

The brochure of the Symposium can be downloaded [here](#).

Sponsors	
	International Association of Automation and Robotics in Construction (IAARC)
	Quality Management Centre in Construction (CEMAKS) Faculty of Civil Engineering Slovak University of Technology in Bratislava
	Faculty of Civil Engineering Slovak University of Technology in Bratislava
	International Council for Research and Innovation in Building and Construction