



# FIRA

www.fira2012.org.uk

## Third Call for Papers

# **ROBO WORLD CONGRESS 2012 - BRISTOL**

20-22 August, 2012



FIRA-TAROS 2012 / Bristol Robotics Laboratory / University of Bristol / University of the West of England



**Chair:** Dr Guido Herrmann, UK

**Honorary Chair:**

Professor Frank L. Lewis, US

**Co-Chairs:**

Dr Sanja Dogramadzi, UK

Professor Tony Pipe, UK

**Local Technical Committee in Bristol:**

Professor Stuart Burgess, UK

Dr Kerstin Eder, UK

Dr Ioannis Ieropoulos, UK

Dr Alex Lenz, UK

Dr Walterio Mayol-Cuevas, UK

Professor Majid Mirmehdi, UK

Dr Tom Richardson, UK

Dr Jonathan Rossiter, UK

Dr Matt Studley, UK

**International Organization Committee:**

CIRAS:

Professor Tzoo-Hseng S. Li, Taiwan

Professor Prahlad Vadakkepat, National University of Singapore

ICAHRR

Professor Jacky Baltès, Canada

Dr Kuo-Yang Tu, Taiwan

Dr John Anderson, Canada

ICEER

Dr Ching Chang Wong, Taiwan

Dr Nibert Jesse, Germany

Chung-Hsien Kuo, Taiwan

IREF

Professor Igor Verner, Israel

Professor Dave Ahlgren, USA

Professor Anna Friesel, Denmark

**IMPORTANT DATES:**

Submission: 08 April 2012

Acceptance: 25 May 2012

Final Submission: 15 June 2012

### ABOUT FIRA ROBO WORLD CUP AND THE CONGRESS

Robot soccer began in 1995. The Federation of International Robot-soccer Association (or FIRA, in short) was founded in June 1997 with the goal of spreading the spirit of science and technology of robotics. FIRA RoboWorld Cup, together with the scientific FIRA RoboWorld Congress, has now attained world recognition as one of the major robot festivals.

The FIRA-Roboworld Congress now in its 9<sup>th</sup> edition has attracted researchers from all over the world with plenary speakers such as Kalyanmoy Deb, (IIT Kanpur), Seth Hutchinson (University of Illinois), Wang Jun (The Chinese Univ. of Hongkong), Okyay Kaynak (Bogazici University), Jong-Hwan Kim (KAIST).

### CONGRESS THEMES

The congress welcomes paper submissions from researchers, practitioners and students, and will cover myriad topics in intelligent control, autonomous systems and various robots including humanoids, social robotics, cooperative robotics, edutainment robots, service robots, personal robots and computational intelligence. This will include developments and applications in the area of human-robot interaction and its safety aspects, energy autonomy in robotics, computational intelligence, multi-agent robotic systems for services, entertainment, gaming and education.. All contributions will be refereed.

### VENUE: WILL'S MEMORIAL BUILDING, UNIVERSITY OF BRISTOL;

FIRA 2012 will be hosted by the Bristol Robotics Laboratory, the largest multi-disciplinary robotics facility in the UK and has an international reputation as a leading research centre in advanced robotics with close links to other leading research institutes in Europe. The conference will take place in the Will's Memorial Building, the centre piece and main building of the University of Bristol.

The gateway to the South-West of England, Bristol has a long history as a centre of industry and commerce. Today, 'Silicon Gorge' is home to the UK's largest concentration of silicon designers, second only in the world to the USA, and is at the forefront of developments in next generation mobile phone technology, consumer electronics and wireless communications systems.

### CONFIRMED PLENARY SPEAKERS:

Professor Sam S Ge, National University of Singapore/University of Science and Electronic Technology of China, IEEE Fellow, IFAC Fellow

Professor Alois Knoll, Technical University of Munich



**SPRINGER WILL PUBLISH THE 2012 FIRA CONGRESS PROCEEDINGS**

**SUBMITTING TO FIRA2012** ([www.firas2012.org.uk](http://www.firas2012.org.uk))

Paper Submission: Authors are invited to submit the complete manuscripts in PDF format. Submissions should be as per the LaTeX or Word templates. Manuscripts are limited to twelve (12) Springer format pages. The link to Springer format and the online submission link are available on the conference homepage.

### SPECIAL SESSIONS:

The Congress solicits special session proposals. The special sessions are intended to usher in, in-depth discussions in special areas relevant to the conference theme. The session organizers will coordinate the associated review process. The conference proceedings will include all papers from the special sessions.

### CONTACTS:

*E-mail:* Fira-Taros2012@brl.ac.uk

Event Manager: Dr Fiona Killard,  
Event Secretary: Khairi Ishak, Khairi.Ishak@brl.ac.uk

Hosts & Organizers: University of Bristol, University of West of England and Bristol Robotics Laboratory.

**RELATED EVENTS:** 17th Fira Robo World Cup and TOWARDS AUTONOMOUS ROBOTIC SYSTEMS (TAROS)