

ROBOT2013: FIRST IBERIAN ROBOTICS CONFERENCE

28-29 November 2013

Organised by:



Sociedad Española para la Investigación y
Desarrollo en Robótica - SEIDROB



Centre for Automation and Robotics
CAR (UMP - CSIC)



Co-organised by:



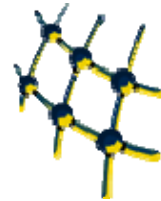
Grupo Temático de Robótica – CEA-
GTRob



Sociedade Portuguesa de Robotica SPR

With the collaboration of:

Asociación Española de Promoción de la Investigación en Agentes Físicos
RedAF



Organising Committee

Manuel A. Armada, CAR CSIC-UPM, Spain
Alberto Sanfeliu, IRI UPC-CSIC, Spain
Pedro J. Sanz, U. Jaume I, Spain
Vicente Matellán, U. León, Spain
Luis P. Reis, Universidade do Minho, Portugal

Presentation

ROBOT 2013: FIRST IBERIAN ROBOTICS CONFERENCE will follow the three biannual Workshops that started in Zaragoza (2007), and continued in Barcelona (2009) and Sevilla (2011). These previous and successful events, both from the viewpoint of their scientific and technical quality, and for the important number of attending delegates, have motivated in organizing ROBOT 2013 initiative. ROBOT 2013's main goal is to continue the precedent efforts in showing the robotic research and development of new applications. While first events were focused on the Spanish activity, in this edition the core is extended to the Iberian Peninsula.

ROBOT 2013 will be an excellent forum for mutual exchange of knowledge among industry and academia and will foster a better cooperation to face the challenges posed by Horizon 2020.

As President of the Organizing Committee, it is my pleasure to invite you to participate in **ROBOT 2013**. I am looking forward to receive you in Madrid next November 2013.

Manuel A. Armada
President Organising Committee

Topics

ROBOT 2013 will pay special attention to advances in Robotics, so it is foreseen to have contributions presenting not only concepts and methodologies but also their practical validation and experimental testing in the lab and/or in the industry. This conference welcomes paper submissions from topics included but not limited to:

- mobile robots
- personal and service robotics
- assistive robotics
- medical robots
- locomotion
- biomimetic robots
- unmanned aerial systems
- agricultural robotic systems
- marine robotics
- hybrid intelligent systems
- multi-agent systems
- cooperative systems
- cognitive systems
- distributed & networked systems
- decision support systems
- planning and control
- soft computing
- cloud computing
- sensors & actuators
- image processing
- new mechanism design
- parallel robots
- tactile & haptics devices
- human-robot interaction
- remote handling & telerobotics
- distributed robotic systems
- social robots
- ethical & legal robotic issues

Venue

ROBOT 2013 organisation will be carried out by the members of the Centre for Automation and Robotics (CAR), a joint research centre belonging to the *Universidad Politécnica de Madrid* (UPM) and to the *Consejo Superior de Investigaciones Científicas* (CSIC). The Conference venue will be held at the *Escuela Técnica Superior de Ingenieros Industriales* of *Universidad Politécnica de Madrid*.

Important Dates

- Deadline for paper submission: 30th of June, 2013.
- Acceptance notification: 30th of July, 2013.
- Final version submission: 1st of September, 2013.
- ROBOT 2013 conference: 28th and 29th of November, 2013.

Contributions and publication

Contributions could be submitted in English, Spanish and Portuguese. Accepted English written contributions will be published at Springer-LNCS (confirmation pending). Accepted contributions in Spanish and Portuguese will be published in electronic format with ISBN.

Web site

ROBOT 2013 information will be updated regularly at:

<http://www.car.upm-csic.es/robot2013>