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Sociedad Española para la Investigación y Desarrollo en Robótica
Sociedade Portuguesa de Robótica

ROBOT'2017 - Third Iberian Robotics Conference

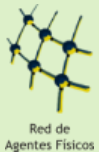
<https://grvc.us.es/robot2017/>

November 22-24, 2017
Escuela Técnica Superior de Ingeniería (ETSI)
Sevilla, Spain

With the collaboration of:

Red de Agentes Físicos

and the support of:



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PAPER SUBMISSION

Authors are invited to submit original research contributions, in English, electronically in PDF format via EasyChair: <https://easychair.org/account/signin.cgi>

Papers must follow the Springer AISC template. Twelve pages in the Springer AISC format are allowed for each paper, including all figures, tables and references. Please check the Author Guidelines for the preparation of contributions to Springer Computer Science Proceedings for more complete information.

Accepted English written contributions will be published at Springer Series in Advances in Intelligent Systems and Computing indexed at Thomson ISI Proceedings, SCOPUS, El-Compendex, DBLP, Google Scholar and Springerlink.

Authors must remove their names from the submitted papers, and should take reasonable care not to indirectly disclose their identity. At least three program committee members will be assigned to review each paper. Acceptance will be based on the paper's significance, technical quality, clarity, relevance and originality.

ROBOT'2017: Third Iberian Robotics Conference will take place at the Escuela Técnica Superior de Ingeniería, Sevilla (Spain). ROBOT'2017 main goal is to continue the precedent efforts in showing the robotic research and development as well as new robotic applications. Although focused on the works developed at Spain and Portugal, the conference is open for good quality submissions from any country in the world. Also the conference will explore the future of robotics and the relations of robotics with other fields in its frontiers looking for synergies and new promising ideas. Moreover, industrial applications and technology transfer are included. The conference will include a round table organized by CDTI to discuss the industrial collaboration and to present success stories of these collaborations.

Conference topics include:

- Aerial robotics
- Additive manufacturing
- Agricultural robotic systems
- Assistive robotics
- Biomimetic robots
- Cloud computing
- Cognitive systems
- Cooperative systems
- Control architectures
- Decision support systems
- Distributed & networked systems
- Distributed robotic systems
- Educational robotics
- Ethical & legal robotic issues
- Human-robot Interaction
- Humanoid robotics
- Hybrid intelligent systems
- Computer vision and image processing
- Localization, mapping and navigation
- Locomotion and actuation systems
- Marine robotics
- Medical robotics
- Mobile robots
- Multi-robot systems
- New mechanism design
- Parallel robots
- Personal and service robotics
- Planning and control
- Remote handling & telerobotics
- Robotic competitions
- Robot learning
- Sensors & actuators
- Robotic simulation
- Social robots
- Soft computing
- Swarm robotics
- Tactile & haptics devices
- Unmanned aerial systems
- Underwater robotics

SPECIAL SESSIONS

REGULAR SESSIONS

- Aerial robotics for inspection
- Agricultural robotics and field automation
- Autonomous driving and driver assistance systems
- Cognitive architectures
- Educational robotics
- Future industrial robotics systems
- Legged locomotion robots
- Machine learning in robotics
- Neurobots and robotic exoskeletons
- Perception in aerial robotics
- Rehabilitation and assistive robotics
- Robot competitions
- Robotics in confined environments with communication constraints
- Robots cooperating with sensor networks
- Robots for a secure society
- Robots for health-care

- Simulation in robotics
- Social robotics
- Visual perception for robotics
- Wearable robotics

ROBOTICS FRONTIER SESSIONS

- Cloud computing and big data for robotics
- Mechanical engineering for robotics
- Robotics for additive layer manufacturing

INDUSTRIAL SESSIONS

- Aerial robotics and integration of drones in low altitude aerial space
- Application of robotics to aircraft manufacturing and assembly
- Construction robotics
- Robotics solutions for flexible manufacturing

The submission of a special session proposal should include a summary describing the motivation and relevance, the tentative titles of papers and authors, and the session organizer and contact. The papers in the accepted sessions will be reviewed as the regular papers. The industrial sessions could include short papers that will be included in the electronic preprints to be distributed in the conference but not in the Springer Proceedings.

IMPORTANT DATES

Special session proposals:
Special session acceptance:
Paper submission:
Notification:
Camera ready:
Early registration:
Conference:

March 24, 2017
April 7, 2017
June 16, 2017
July 24, 2017
September 7, 2017
September 7, 2017
November 22-24, 2017

