

September 6-9, 2016, Berlin

Track Program Committee

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- Luis Moreno, Universidad Carlos III, Spain
- Angel del Pobil, Universitat Jaume I, Spain
- Pedro Sanz, Universitat Jaume I, Spain
- Carlos Aldana, Universidad de Guadalajara, Mexico
- Kamal Gupta, Simon Fraser University, Canada
- Carlos Rosales, Beta Robots SL, Spain



Call for Papers

Track 7. Intelligent Robots and Systems

Track Co-Chairs

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 Sebastian Zug, Otto-von-Guericke-Universität Magdeburg, Germany, zug@ivs.cs.uni-magdeburg.de

Focus of the Track: The aim is to gather researchers and practitioners to report on recent achievements and on requirements in the development of real-world robotic applications, robot prototypes, intelligent embedded systems, robot programming, applications of artificial intelligence, cognitive science and signal processing in robotics, as well as benchmarking and usability studies. Papers shall explicitly put their contribution into the context of technology readiness levels (definition of TRLs as in the H2020 work program). Authors need to explain which raise of a TRL their contribution enables.

Topics within the scope of the track

- Navigation, Control and Manipulation for Intelligent Robots and Systems
- Cognitive Robotics and Integrated Intelligence
- Cooperative and Collaborative Robotics, Networked Robotics
- Perception, Environment Description and Map Building
- Human-Robot Interaction
- Intelligent Robot Assistants and Intelligent Embedded Systems
- Multi-Agent Systems and Distributed Robotics Architectures
- Path Planning and Collision Avoidance
- Sustainable Robotics and Applications
- Robot Programming
- Mobile Manipulation
- Training and Education in Industrial Robotics
- Advanced Sensors and Vision Systems in Robotics
- Robot Learning
- Simulation and Models for Robotics
- Advanced Applications of Autonomous Robots
- Supervision, Planning and Failure Recovery

Aim: The aim of the conference is to bring together researchers and practitioners from the industry and academia and provide them with a platform to report on recent advances and developments in the newly emerging areas of technology, as well as actual and potential applications to industrial and factory automation.

Solicited Papers: Research papers reporting on new developments in technological sciences. Industry and development papers reporting on actual developments of technology, products, systems and solutions. Tutorial and survey papers. Work-in-progress papers. In addition, ETFA 2016 solicits special session proposals to stimulate in-depth discussions in special areas relevant to the conference theme. Please consult the conference web page for more details.

Conference Format: The conference will comprise multi-track sessions for regular papers, to present significant and novel research results with a prospect for a tangible impact on the research area and potential implementations; work-in-progress (WIP) sessions; panel discussions on the state-of-the-art and emerging trends, involving leading experts from industry and academia; and public discussion sessions moderated by leading experts in the field of industrial automation systems.

Submission of Papers: The working language of the conference is English. Two types of submissions are solicited. Long Papers – limited to 8 double column pages in a font no smaller than 10-points. Work-in-Progress and Industry practice papers – limited to 4 double column pages in a font no smaller than 10-points. Manuscripts must be submitted electronically in PDF format, according to the instructions contained in the Conference web site.

Best Paper Award: Best paper awards in Factory Automation and Emerging Technologies will be presented at the conference banquet dinner.

Further Information: ETFA2016 Conference Secretariat: Tel.: +49 / 5261 94290-35; Fax.: +49 / 5261 94290-35; Email: etfa2016@iosb.fraunhofer.de

Paper Acceptance: Each accepted paper must be presented at the conference by one of the authors. The final manuscript must be accompanied by a registration form and a registration fee payment proof. All conference attendees, including authors and session chairpersons, must pay the conference registration fee, and their travel expenses.

No-show Policy: The ETFA2016 Organizing Committee reserves the right to exclude a paper from distribution after the conference at IEEE Xplore if the paper is not presented at the conference.

Author's Schedule:

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| Deadline for submission of regular and special sessions papers: | March 15, 2016 |
| Notification of acceptance of regular and special sessions papers: | May 15, 2016 |
| Deadline for submission of work-in-progress papers and Industry practice: | May 20, 2016 |
| Notification of acceptance of work-in-progress papers and Industry practice: | June 20, 2016 |
| Deadline for submission of final manuscripts – regular and special sessions: | July 1, 2016 |
| Deadline for submission of final manuscripts – work-in-progress papers and Industry practice: | July 1, 2016 |

<http://www.etfa2016.org>