

September 6-9, 2016, Berlin

Track Program Committee

- Özgür Akan, Koc University, Turkey
- Mats Björkman, Malardalen University, Sweden
- Gianluca Dini, University of Pisa, Italy
- Davide Brunelli, University of Trento, Italy
- Carlos Insaurralde, Teesside University, UK
- Andrzej Pawlowski, UNED, Spain
- Michael Short, Teesside University, UK (chair)
- Weilian Su, Naval Postgraduate School, Monterey, CA, USA (chair)
- Ramon Serna Oliver, TTTech Compuer - technik AG, Austria
- to be extended ...

Call for Papers

**Track 8. Intelligent Sensors, Sensor Networks,
 and Information Processing**

Track Co-Chairs

Michael Short, Teesside University, UK, m.short@tees.ac.uk
 Weilian Su, Naval Postgraduate School, Monterey, CA, USA, weilian@nps.edu

Focus of the Track: This track specifically focuses on the use of smart sensor technologies and processing for monitoring and analysis of industrial automation and factory systems. In addition, the track focuses on the architecture, design, evaluation, implementation, and performance of networked embedded sensor systems.

Topics within the scope of the track

- Novel components, devices and architectures for networked sensing
- Network and system architectures and protocols
- Network health monitoring and management
- Detection, classification, tracking, reasoning, and decision making
- Sensor data processing, mining, and machine learning
- (distributed) Signal processing
- Energy harvested systems
- Sensor tasking, control, and actuation
- Innovative applications and deployment experiences
- System modeling, simulation, measurements, and analysis

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:

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>

