

September 8-11, 2015, Luxembourg

Track Program Committee

- Johan Åkerberg, ABB Corporate Research, Sweden
- Giuseppe Anastasi, University of Pisa, Italy
- Mats Björkman, Malardalen University, Sweden
- Davide Brunelli, University of Trento, Italy
- Paolo Carbone, University of Perugia, Italy
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- Andrzej Pawlowski, UNED, Spain
- Sebastian Trimpe, Max Planck Institute for Intelligent Systems, Germany
- Elisabeth Uhlemann, Malardalen University, Sweden

Call for Papers

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

Track Co-Chairs

Paul Havinga, Univ. of Twente, The Netherlands, p.j.m.havinga@utwente.nl
 Marek Miskowicz, AGH Univ. of Science & Tech., Krakow, Poland, miskow@agh.edu.pl

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 2015 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: ETFA2015 Conference Secretariat: Tel.: +352 / 46 66 44-5810; Fax.: +352 / 46 66 44-5200; Email: etfa2015@uni.lu

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 ETFA2015 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:	April 15, 2015
Notification of acceptance of regular and special sessions papers:	May 15, 2015
Deadline for submission of work-in-progress papers and Industry practice:	May 20, 2015
Notification of acceptance of work-in-progress papers and Industry practice:	June 20, 2015
Deadline for submission of final manuscripts – regular and special sessions:	July 1, 2015
Deadline for submission of final manuscripts – work-in-progress papers and Industry practice:	July 1, 2015

<http://www.etfa2015.org>

