

## Track Program Committee

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## Call for Papers

### Track 1. INFORMATION TECHNOLOGY IN AUTOMATION

#### Track co-Chairs

**Georg Frey, Saarland University, Germany**

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#### Topics within the scope of the track:

The track is focused on the development, adoption and application of Information Technology for automation systems. Papers should address the following research topics and technologies, but are not limited to:

- IT Modeling techniques (UML, Object-Orientation, Agents, Service Oriented Architectures, ...) for automation systems
- Data Modeling (CAEX, AutomationML, OPC UA, ...)
- Virtualization at the factory level, digital factory
- Programming languages (IEC 61131, IEC 61499, ...)
- Integration with MES and ERP systems (Databases, Semantic Web Services)
- Vertical Integration: Web-based Setup, Maintenance and Configuration
- Tool chains, platforms, and frameworks for Software Design and Development
- Security in factory, home and building Automation
- Network Integration in Automation Systems (heterogeneous networks, wired/wireless, ...)

Case Studies, Application Reports and Experiences in Practice are especially welcome from emerging areas including, but not limited to:

- Smart Manufacturing, web-of-things in the factory line
- Home and Building Automation
- Assisted Living
- Smart Grid / Smart Metering

**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 – 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. Authors of outstanding papers will be invited to submit a revised version of their papers for publication in a special section in IEEE Transactions on Industrial Informatics.

**Further Information:** ETFA'10 Conference Secretariat: Tel: +34 94 601 4048; Fax: +34 94 601 4187; Email: [contact@etfa2010.org](mailto:contact@etfa2010.org)

**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.

#### Author's Schedule:

<i>Deadline for submission of long and special sessions papers:</i>	March 15, 2010
<i>Notification of acceptance of long and special sessions papers:</i>	May 9, 2010
<i>Deadline for submission of work-in-progress papers and Industry practice:</i>	May 24, 2010
<i>Notification of acceptance of work-in-progress papers and Industry practice:</i>	July 1, 2010
<i>Deadline for submission of final manuscripts – regular and special sessions:</i>	June 17, 2010
<i>Deadline for submission of final manuscripts – work-in-progress papers and Industry practice:</i>	July 14, 2010

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