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Call for Papers
(regular papers)
Track 1. Information Technology in Automation

Track co-Chairs
Georg Frey, Saarland University, Germany
Marga Marcos, University of the Basque Country
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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 (Object-Orientation, Components, Agents, Services, ...) for automation systems
- Model Driven Development in automation (UML, SysML, …)
- Data Modeling (CAEX, AutomationML, OPC UA, ...)
- Domain Specific Modeling and Programming languages (IEC 61131, IEC 61499, ...)
- Vertical Integration, Integration with MES and ERP systems (Databases, Semantic Web Services)
- Security and Safety in factory, home and building Automation
- Dynamically reconfigurable, adaptive, and emergent automation software/systems
- Energy Management in and by automated systems

Case Studies and Application Reports are especially welcome from emerging areas including, but not limited to:
- Digital Factory, Smart Manufacturing, web-of-things in the factory line
- Home and Building Automation
- Renewable Energy Systems (Production and Integration)

Further Information: ETFA'12 Conference Secretariat: contact@etfa2012.org

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 – 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 of a leading journal.

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 ETFA 2012 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 long and special sessions papers: **March 25, 2012**
Notification of acceptance of long papers: May 30, 2012
Deadline for submission of work-in-progress papers and Industry practice: June 8, 2012
Notification of acceptance of work-in-progress papers and Industry practice: July 1, 2012
Deadline for submission of final manuscripts – long and special sessions: July 8, 2012
Deadline for submission of final manuscripts – work-in-progress papers and Industry practice: July 8, 2012

Conference website
http://www.etfa2012.org