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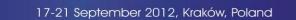Francisco Vasques, Univ. of Porto, Portugal

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Conference website
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Call for Papers
(regular papers)

Track 2. Industrial Communication Systems

Track Co-Chairs
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Zdenek Hanzalek, DCE-FEE / CTU in Prague, Czech Republic
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Topics within the scope of the track: This track specifically focuses on the use of industrial communication technologies, the related theoretical topics for the modeling, analysis and synthesis of provably correct systems, as well as application requirements, implementations, performance evaluation and case studies. Topics of interest include, but are not limited to:

- Fieldbus networks and Industrial Ethernet networks;
- Automotive and avionic networks; Industrial control networks; Home and building automation networks;
- Industrial wireless networks; Wireless sensor networks; Hybrid wired/wireless networks;
- Middleware for industrial communications; System design, architecture and implementation;
- IP-based and Web-based communication and applications;
- Self-configurable systems; Networked control systems; Adaptive middleware for decentralized control;
- Real-time issues; QoS and performance issues; Synchronization protocols;
- Dependability and fault tolerance aspects; Safety buses and protocols;
- Integration of automation networks; Interoperability; Security in industrial communications;
- Industrial case studies.

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