ETFA 2006
11th IEEE International Conference on
Emerging Technologies and Factory Automation

September 20 – 22, 2006 • Diplomat Hotel Prague • Czech Republic

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IEEE Industrial Electronics Society

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 2006 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.

TOPICS WITHIN THE SCOPE OF THE WORKSHOP INCLUDE:
- Information Technology in Automation: Development Platforms and Frameworks: .NET, J2EE, Programming languages: Java, C#, etc.; Operating Systems; Databases and Web Interfaces; Mobile Computing, Network Computing, Client/Server Computing; Distributed Objects and Components: CORBA, COM, COM+, DCOM, etc.; Groupware.
- Continuous Automation Systems: Continuous Manufacturing; Industrial Automation; Process Automation; Virtual Reality and Telesensation; Multimedia; Prototyping; Rapid Prototyping; Advanced control: intelligent control, adaptive and optimal control, robust control, computational advances in industrial process control; Model based predictive control; Failure detection, diagnosis, and appropriate control strategies; Integrated control and supervision; Synergy of different control strategies.
- Emerging Technologies: New applications of discrete event systems. Comparative studies on 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. 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 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.

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.

IMPORTANT DEADLINES:
Deadline for submission of long papers: March 31, 2006
Deadline for submission of work-in-progress papers and Industry practice: June 1, 2006
Notification of acceptance of long papers: May 25, 2006
Notification of acceptance of work-in-progress papers and Industry practice: July 1, 2006
Deadline for submission of final manuscripts: July 20, 2006
EFTA 2006 Conference Registration: September 20 – 22, 2006

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