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## Call for Papers

### Track 3. REAL-TIME (AND NETWORKED) EMBEDDED SYSTEMS

#### Track co-Chairs

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

Embedded systems are increasingly taking advantage of the opportunities afforded by ubiquitous connectivity and networks to offer new and original functions and solutions. Together with the hard real-time constraints often associated with these applications, the design of embedded systems requires the development of efficient platforms supported by innovative technologies, methodologies and algorithms.

This track on real-time and (networked) embedded systems (RTNES) brings together the experts to present the latest developments and progress. Hence, contributions are sought in, but not limited to, the following areas:

- Theory and technology in RTNES:
  - Real-time computing; Real-time operating systems; Real-time communications;
  - Networked embedded systems technology; Wireless sensor networks; Cyber physical systems
- Design and methods in RTNES:
  - Design and implementation; Design methodologies and tools; Components and platforms;
  - Models of computation and formal methods; Hardware/software co-design
- Algorithms and control in RTNES:
  - Power supply and management; Data integration and fusion; Communication modes;
  - Quality of service control
- Case studies in RTNES:
  - Case studies (industrial automation, automotive, avionics, communications...)

**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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