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## Workshop Program Committee

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Technically Sponsored by  
IES TCFA Subcommittee on  
Event-Based Control and Signal  
Processing in Factory Automation

## Call for Papers

# Workshop on Event-Based Systems

**Aim and Scope:** The last decade has seen an intense scientific interest in event-based paradigm in a wide spectrum of modern engineering disciplines including control, communication, signal processing, and electronic instrumentation. The primary reason for the increasing research effort in exploring event-based design is its superiority in the resource-constrained applications.

The aim of workshop organization is to provide a platform for the research communities that work on event-based systems in control, communication and signal processing to integrate their activities through a mutual diffusion of new concepts and ideas.

**Topics include, but are not limited to, the following research topics and technologies:**

- Event-based and self-triggered control
- Event-driven signal processing
- Continuous-time digital signal processing
- Event-driven and adaptive filters
- Event-triggered communication
- Event-based real-time task scheduling
- Event-based protocols
- Event-triggered architectures
- Intelligent sensors
- Asynchronous design of circuits and systems
- Event-based state estimation
- Event-triggered and adaptive sampling
- Send-on-delta data reporting strategy
- Event-based PID controllers
- Event-based control over networks
- Decentralized event-triggered control
- Non-uniform signal reconstruction
- Event-based paradigm in wireless sensor and control systems
- Event-based applications in control and signal processing
- Event-based systems modeling and design
- Performance analysis of event-triggered systems

**Submission of Papers:** The working language of the workshop is English. Papers length is limited to 8 double column pages in a font no smaller than 10-points. Two extra pages are allowed at the additional cost. Manuscripts must be submitted electronically in PDF format, according to the instructions contained in the conference web site.

**Paper Acceptance:** All accepted papers will be published in IEEE Xplore. The final manuscript must be accompanied by a workshop or conference registration form and a relevant registration fee payment proof. Each accepted paper must be presented at the workshop by one of the authors.

### Author's Schedule:

*Deadline for submission:*

June 15, 2014

*Notification of paper acceptance:*

June 28, 2014

*Deadline for submission of final manuscript:*

July 4, 2014

*Workshop day:*

September 16, 2014

<http://www.etfa2014.org/etfa2014/workshops/ebs2014>