



June 13-15, 2016
KRAKÓW

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Call for Papers to Special Session SS01

Event-Based Architectures in Building Automation, Smart Cities, and Smart Grid

Special Session Organizers:

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Aim and scope:

The proposed special session is focused on event-triggered and time-triggered architectures in various networking technologies applied to Building Automation Systems (BASs), smart cities (SC), and smart grid (SG) including adoption of Internet of Things (IoT).

Event-triggered architectures, protocols, and techniques are commonly used in applications of BASs, CSs, and SG as they belong mostly to a class of non-real-time or soft real-time systems. The event-based strategies for sampling, control, and data processing are characterized by efficient utilization of communication bandwidth, computation capability, and energy resources, which support system performance.

Topics within the scope of the Special Session:

- Event-triggered and time-triggered architectures in BASs
- Integration of event-triggered and time-triggered architectures in BASs
- Event-driven application programming
- Event-triggered protocol stacks
- Performance analyses
- Wireless communication technologies in BASs
- Energy-efficient control over event-triggered control systems
- Event-triggered technologies in component-based automation systems
- Applications and case studies in building and home automation
- The best practices in BASs implementations
- Energy management systems (EMS) based on event-triggered architectures
- Event-triggered networks in energy efficient buildings
- BASs in Smart Grid and Smart City
- Emerging trends in BAS based on event-triggered architectures
- Internet of Things (IoT) in BASs
- Building Internet of Things (BioT) - web based management of event-triggered control systems
- Distributed control networks for residential buildings

Submission of Papers: The working language of the conference is English. The special session papers are 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.

Further Information: EBCCSP 2016 Conference Secretariat: Tel: + 48 12 617 3034, Fax: + 48 12 633 2398; Email: ebccsp16@agh.edu.pl

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 EBCCSP 2016 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 special sessions papers:
Notification of acceptance of special sessions papers:
Final manuscripts due – special sessions:

March 20, 2016
April 10, 2016
May 1, 2016

<http://www.ebccsp2016.org>