**Call for Papers to Special Session SS08**

**Event-based Energy Metering and Control**

**Special Session Organizers**
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**Aim and scope:**

The special session of the EBCCSP 2015 is to bring together researchers and practitioners from a wide spectrum of engineering disciplines including control, communication, signal processing, and electronic instrumentation dealing with the event-driven sensing in general, and event-driven procedures of measurements of energy/power and its quality, and the control of smart grid. In the recent past, smart metering panorama was dominated by timer-driven meters acquiring metering data at regular intervals of time. Averaged pseudo-measurements are useful to support billing procedures, but an important step beyond the state of the art is given by the event-driven approach to metering.

Next generation event-driven meters are hybrid devices that enable both the billing and the decentralized control of smart grid segments. Due to an increased interest in event-based methods for the control of distributed generation from poorly predictable renewable sources of energy, we organize a Special Session on Event-based energy metering and control at EBCCSP-2015. Researchers, domain experts, and practitioners working on such topics are kindly invited to attend this session by submitting their recent work.

**Topics within the scope of the Special Session:**

We will consider any kind of contribution related to event-driven energy measurements and control without restrictions on topics. We invite theoretical and applied work. Examples of topics are: event-triggered procedures of measurement, service-oriented and event-driven architectures, use of the Future Internet (Internet of Things, Services, and Energy), stateless and stateful triggers, publish-subscribe, decentralized multi-agent systems, self-triggered architectures and applications, proactive control, knowledge elicitation from metering data, fusion of sensor data under event-based communication, event-based communication protocols, and so on. We welcome use cases, examples of real life applications exploring the use of event-driven measurements/metering, and studies making comparison between time-based and event-based operations.

**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 2015 Conference Secretariat: Tel: + 48 12 617 3034, Fax: + 48 12 633 2398; Email: ebccsp15@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 2015 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:** March 15, 2015
- **Notification of acceptance of special sessions papers:** April 8, 2015
- **Final manuscripts due – special sessions:** May 15, 2015

- **Deadline for submission of work-in-progress papers:** April 10, 2015
- **Notification of acceptance of papers:** April 30, 2015
- **Deadline for submission of final manuscripts:** May 15, 2015

**EBCCSP 2015 Conference**

June 17-19, 2015
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**Further Information:**

**Sponsors**
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