

EBCCSP 2015



June 17-19, 2015

KRAKÓW

Keynote Presentations

Panos Antsaklis
University of Notre Dame, USA
Karl Henrik Johansson
KTH Royal Institute of
Technology, Sweden
Yannis Tsividis
Columbia University, USA

Plenary Presentations

Tobi Delbrück
ETH Zurich, Switzerland
Maurice Heemels
Eindhoven University of
Technology, The Netherlands
Jan Lunze
Ruhr-University Bochum, Germany

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Max Planck Institute for Intelligent
Systems, Tübingen Germany

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ISM, Marseille, France
José Luis Guzmán Sánchez
University of Almeria, Spain

IEEE International Conference on Event-based Control, Communications & Signal Processing

Call for Papers to Special Session SS08

Event-based Energy Metering and Control

Special Session Organizers

Mikhail Simonov, Istituto Superiore Mario Boella (ISMB), Italy,
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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 statefull 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:

<i>Deadline for submission of special sessions papers:</i>	March 15, 2015
<i>Notification of acceptance of special sessions papers:</i>	April 8, 2015
<i>Final manuscripts due – special sessions:</i>	May 15, 2015

<i>Deadline for submission of work-in-progress papers</i>	April 10, 2015
<i>Notification of acceptance of papers</i>	April 30, 2015
<i>Deadline for submission of final manuscripts</i>	May 15, 2015

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<http://www.ebccsp2015.org>

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