



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
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José Luis Guzmán Sánchez

University of Almeria, Spain

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

Call for Papers to Special Session SS04

Event-Based State Estimation

Special Session Organizers

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Aim and scope:

The First IEEE Conference on Event-based Control, Communication, and Signal Processing (EBCCSP 2015) is to bring together researchers and practitioners from a wide spectrum of engineering disciplines including control, communication, signal processing, and electronic instrumentation. *State Estimation* is a fundamental and important problem that spans all of these disciplines and occurs in various application areas.

Due to an increased interest in event-based methods for state estimation recently, and their potential in diverse application areas such as networked systems, autonomous vehicles, under water robotics and target tracking, we organize a Special Session on *Event-based State Estimation* at EBCCSP 2015. Researchers and practitioners working on this and related topics are kindly invited to submit their recent results to this session. This can include both theoretical and applied work.

Topics within the scope of the Special Session:

Suggested topics for this Special Session on Event-based State Estimation include (but are not limited to):

- Event-triggered and self-triggered architectures for state estimation
- Distributed event-based state estimation
- Triggering/sampling strategies for event-based state estimation
- (Sub-)optimal fusion of sensor data under event-based communication protocols
- Stability and performance analysis of event-based state estimation schemes
- Design guidelines for event-based state estimation systems
- Comparison and fundamental relation of time-based and event-based estimation
- Event-based state estimation for control
- Applications of event-based state estimation

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

<http://www.ebccsp2015.org>

Sponsors
(requested)

