

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

EBCCSP 2015

June 17-19, 2015
KRAKÓW

Call for Papers to Special Session SS04

Event-Based State Estimation

Special Session Organizers

Sebastian Trimpe, strimpe@tuebingen.mpg.de
Max Planck Institute for Intelligent Systems, Germany

Joris Sijs, joris.sijs@tno.nl
TNO, the Dutch Institute of Applied Physics, Netherlands

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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UNED, Spain
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AGH Univ. of Science & Technology,
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TU Delft, The Netherlands
Sebastian Trimpe
Max Planck Institute for Intelligent
Systems, Tübingen, Germany

Special Sessions Co-Chairs

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

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:

<i>Deadline for submission of special sessions papers:</i>	February 15, 2015
<i>Notification of acceptance of special sessions papers:</i>	March 15, 2015
<i>Final manuscripts due – special sessions:</i>	May 1, 2015

<http://www.ebccsp2015.org>

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