

CALL FOR PAPERS

The 49th ISCIE International Symposium on Stochastic Systems Theory and Its Applications (SSS'17)

November 3-4, 2017

Hiroshima campus, Hiroshima Institute of Technology, Hiroshima Japan

Symposium on Stochastic Systems Theory and Its Applications (SSS'17) will be held on November 3-4, 2017, at Hiroshima campus of Hiroshima Institute of Technology where it takes a few minutes' walk from the Peace Memorial Park in Hiroshima city. The technical program will cover the general topic of stochastic systems and its applications, including but not be limited to the following subjects:

- Modeling, Filtering and Control of Stochastic Systems and Stochastic Processes
- Analysis of Stochastic Systems and Stochastic Processes
- System Identification and Parameter Estimation
- Time Series Analysis and Spectral Estimation
- Signal Detection and Statistical Signal Processing
- Stochastic Optimization Methods and Evolutionary Methods
- Statistical Methods of Big Data and Their Applications
- Chaos and Fractal
- Neural Networks and Fuzzy Systems
- Image Processing
- Pattern Recognition, Computer Vision and 3-D Information Processing
- Fault Detection and Diagnosis
- Medical and Biomedical Systems
- Mathematical Finance
- Control of Networks
- Probabilistic Robotics
- Statistical Methods for GNSS Navigation
- Applications in Engineering related to Stochastic Processes and Stochastic Systems

Papers Submission:

Authors are invited to submit extended abstracts for review, which must be written in English and must be received by **July 31, 2017** with the Submission section in the SSS'17 web site.

The extended abstracts should not exceed two A4 pages with 25mm margins on all sides, **in one column format**, and with 10-point fonts or larger. Please include the title, author names, affiliations, and addresses on the top of the first page of the extended abstract. They should be prepared in PDF format.

Authors whose extended abstracts are accepted with the review will be notified by **September 10, 2017**.

The accepted authors are requested to submit manuscripts of SSS'17 proceedings by **October 25, 2017**. They should be in PDF format and submitted with the Submission section in the SSS'17 web site. The proceeding manuscripts, including both text and illustrations, should not exceed ten pages or about 7500 words **in two columns format** and should be prepared in accordance with the instructions and the templates available in the Submission section in this web site. To assure high-quality of the proceedings, all the manuscripts will be reviewed and only accepted ones will be included in the proceedings. For the policy of the copyright, please refer the following section.

Policy on Copyright of SSS Proceedings:

Beginning with the SSS'14, the SSS Proceedings are now available at the online electronic journal site **JStage** (Japan Science and Technology Information Aggregator, Electronic). With the author's agreement, the papers in

the Proceedings will be registered to the **DOI** (Digital Object Identifier) system and opened to the public on the web. According to this system, papers in the Proceedings will be officially published works with the copyright, and we need Copyright Transfer from all of the authors who submit their papers. Also, each paper should be the original work of the author(s) and not yet published in any media with the copyright.

Award:

The young researchers who recognized excellent presentation at this symposium will be presented to the SSS Young Author Prize or the ISCIE award. For the SSS Young Author Prize, the presenter must be less than 35 years of age at the time of symposium. For the ISCIE award, the presenter must be a member of ISCIE and must be less than 30 years of age if the affiliation of the presenter is an academic or less than 35 years of age if the affiliation of the presenter is not an academic, at the time of symposium.

Special Issue of the Transactions of the ISCIE:

SSS'17 special issue of the transaction of the ISCIE is planed next year. Further information will be notified to authors who present their papers at SSS'17.

Special Lecture:

Dr. Takehiro Moriya, NTT fellow, who received the Japanese medal of honor with purple ribbon in 2010 will give a special lecture on November 3.

Special Sessions:

Proposals for organized sessions are welcome and should be submitted to the secretary of Program & Steering Committee by July 31, 2016.

Sponsored by

Institute of Systems, Control and Information Engineers (ISCIE)

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The Society of Instrument and Control Engineers (SICE)

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IEEE Signal Processing Society Tokyo Joint Chapter

IEEE Signal Processing Society Kansai Chapter

Hiroshima Institute of Technology

Official Web Site and Contact to Program & Steering Committee:

SSS Web Site: <http://sci-sss.org>

SSS'17 Secretariat: E-mail: sss17@sci-sss.org