

## CALL FOR PAPERS

# The 45th ISCIE International Symposium on Stochastic Systems Theory and Its Applications

November 1–2, 2013

The 50th Anniversary Memorial Hall, University of the Ryukyus, Okinawa, Japan

### SYMPOSIUM ORGANIZATION

#### Organizing Committee:

Sugimoto, S., Ritsumeikan Univ. (Chair)  
Tamaki, S., Univ. of the Ryukyus  
(Local Arrangement)

Adachi, S., Keio Univ.  
Aihara, S., Science Univ. of Tokyo  
Akahori, J., Ritsumeikan Univ.  
Baba, N., Osaka Kyoiku Univ.  
Fujisaki, Y., Osaka Univ.  
Fukayama, Y., Hiroshima Inst. of Tech.  
Fukuda, T., Otemon Gakuin Univ.  
Gotoh, S., Saga Univ.  
Hanazaki, I., Tokyo Denki Univ.  
Ichikawa, A., Nanzan Univ.  
Inoue, K., Kyushu Inst. of Tech.  
Ishikawa, M., Yamaguchi Univ.  
Kamejima, K., Osaka Inst. of Tech.  
Kano, H., Tokyo Denki Univ.  
Kitagawa, G., Inst. of Statistical Math.  
Kojima, F., Kobe Univ.  
Kubo, Y., Ritsumeikan Univ. (Secretary)  
Miyasato, Y., Inst. of Statistical Math.  
Morita, Y., Kyoto Gakuen Univ.  
Nakamura, M., Saga Univ.  
Nishiguchi, K., Osaka Univ.  
Ohsumi, A., Kyoto Inst. of Tech.  
Ohtagaki, H., Okayama Univ. of Sci.  
Omatu, S., Osaka Inst. of Tech.  
Sakai, H., Kyoto Univ.  
Sano, A., Keio Univ.  
Sugie, T., Kyoto Univ.  
Sugimoto, K., Nara Inst. of Sci. and Tech.  
Takeuchi, Y., Osaka Kyoiku Univ.  
Tanaka, M., Konan Univ.  
Tanaka, S., Yamaguchi Univ.  
Tanizaki, H., Osaka Univ.  
Uosaki, K., Fukui Univ. of Tech.  
Wada, K., Kyushu Univ.  
Yasuda, T., Univ. of Shiga Pref.

#### International Advisory Committee:

Akizuki, K. (Japan)  
Aoki, M. (USA)  
Bittanti, S. (Italy)  
Chen, H. F. (China)  
Ghosh, B. K. (USA)  
Lindquist, A. (Sweden)  
Katayama, T., (Japan)  
Martin, C. (USA)  
Nakamizo, T. (Japan)  
Picci, G. (Italy)  
Sagara, S. (Japan)  
Sayed, A. (USA)

#### Program & Steering Committee:

Inoue, K., Kyushu Inst. of Tech. (Chair)  
Maeda, M., Kyushu Inst. of Tech.  
(Secretary)

Fujioka, H., Fukuoka Inst. of Tech.  
Fujiyama, N., Mitsubishi Electric Corp.  
Hatanaka, T., Osaka Univ.  
Hirata, T., Univ. of the Ryukyus  
Izumi, T., Tokyo Denki Univ.  
Kameyama, K., Fukui Natl. Colg. of Tech.  
Kouzu, K., Kokushikan Univ.  
Matsubara, M., Hitachi, Ltd.  
Nagado, T., Univ. of the Ryukyus  
Ohno, S., Hiroshima Univ.  
Ohta, H., Okayama Univ. of Sci.  
Oura, K., Kokushikan Univ.  
Saitoh, T., Kyushu Inst. of Tech.  
Sawada, Y., Kyoto Inst. of Tech.  
Suwa, M., Omron Corp.  
Takemura, F., Okinawa Natl. Colg. of Tech.  
Tanaka, H., Hiroshima Univ.  
Umetani, T., Konan Univ.  
Wakasa, Y., Yamaguchi Univ.  
Wada, M., Konan Univ.

The 45th ISCIE International Symposium on Stochastic Systems Theory and Its Applications (SSS'13) will be held on November 1–2, 2013, at University of the Ryukyus, Okinawa, Japan. 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
- 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, which must be written in English and must be received by **July 31, 2013**. 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. The extended abstract should be prepared in PDF format, and it should be submitted via the SSS Web site.

Authors will be advised regarding acceptance of the extended abstract by **August 31, 2013**. The authors of accepted papers are requested to submit the manuscripts for the proceedings following the instructions available on the SSS Web site. The manuscripts should be prepared in PDF format and submitted electronically on the Web by **October 25, 2013**. The maximum length of each manuscript including both text and illustrations will be ten pages (about 7500 words). In order to assure high-quality of the proceedings, all manuscripts will be reviewed and only accepted ones will be included in it.

#### Sponsor:

ISCIE (Institute of Systems, Control and Information Engineers)

#### In Cooperation with: (in negotiations)

The Society of Instrument and Control Engineers (SICE)  
The Institute of Electrical Engineers of Japan (IEE)  
The Institute of Electronics, Information and Communication Engineers (IEICE)  
The Japan Society for Industrial and Applied Mathematics (JSIAM)  
Information Processing Society of Japan (IPSJ)  
Research Institute of Signal Processing Japan (RISP)  
IEEE Control Systems Society Japan Chapter  
IEEE Control Systems Society Kansai Chapter  
IEEE Signal Processing Society Japan Chapter  
IEEE Signal Processing Society Japan Chapter

#### Important Dates:

July 31, 2013: Submission of extended abstracts and organized session proposals  
August 31, 2013: Notification of acceptance  
October 25, 2013: Submission of manuscripts for the Proceedings

#### Official Web Site and Contact to Program & Steering Committee:

Official Web Site: <http://sci-sss.org>  
SSS'13 Secretariat E-mail: [sss13@sci-sss.org](mailto:sss13@sci-sss.org)