

# ISCIE SSS'01

## The 33rd ISCIE International Symposium on Stochastic Systems Theory and Its Applications

October 29 - 30, 2001, Ashikaga Institute of Technology, Tochigi, Japan

Sponsored by The Institute of Systems, Control and Information Engineers

In Association with

Japan Chapter of the IEEE Societies of Control Systems; Geoscience and Remote Sensing; Signal Processing; Systems, Man and Cybernetics  
The Society of Instrument and Control Engineers, Japan  
The Institute of Electronics, Information and Communication Engineers, Japan  
The Institute of Electrical Engineers, Japan  
The Information Processing Society, Japan  
Research Institute of Signal Processing, Japan

---

### Organizing Committee

Aihara, S., Science Univ. of Tokyo  
Akahori, J., Ritsumeikan Univ.  
Akizuki, K., Waseda Univ.  
Asakura, T., Fukui Univ.  
Baba, N., Osaka Edu. Univ.  
Fukuda, T., Otemon Gakuin Univ.  
Hatakeyama, K., Kinki Univ.  
Ichikawa, A., Sizuoka Univ.  
Inaba, H., Tokyo Denki Univ.  
Inouye, Y., Shimane Univ.  
Katayama, T., Kyoto Univ.  
Kumamaru, K., Kyushu Inst. of Tech.  
Maeda, H., Osaka Univ.  
Nakamura, M., Saga Univ.  
Nishimura, T., Tokyo Eng. Univ.  
Omatsu, S., Osaka Pref. Univ.  
Ohsumi, A., Kyoto Inst. Tech.  
Sano, A., Keio Univ.  
Sugimoto, S., Ritsumeikan Univ.  
Sugisaka, M., Oita Univ.  
Tanaka, S., Yamaguchi Univ.  
Tsuchiya, K., Kyoto Univ.  
Uosaki, K., Tottori Univ.  
Wada, K., Kyushu Univ.

### International Advisory Committee

Aoki, M., UCLA  
Bittanti, S., Politecnico di Milano  
Chen, H. F., Academia Sinica  
Fu, L. C., National Taiwan Univ.  
Gersch, W., Univ. of Hawaii  
Lee, T. S., Raytheon Systems Co.  
Lindquist, A., Royal Inst. of Tech.  
Picci, G., Univ. of Padova  
Söderström, T., Uppsala Univ.  
Tzafestas, S.G., National Tech. Univ.  
Rao, G.P., Indian Inst. of Tech

### Program & Steering Committee

Adachi, S., Utsunomiya Univ.  
Hanasaki, I., Tokyo Denki Univ.  
Inoue, H., Ashikaga Inst. Tech.  
Ishii, C., Ashikaga Inst. Tech.  
Kamejima, K., Osaka Inst. of Tech.  
Kano, H., Tokyo Denki Univ.  
Kojima, F., Kobe Univ.  
Morita, Y., Kyoto Gakuen Univ.  
Nakamizo, T., Ashikaga Inst. Tech.  
Ohmori, H., Keio Univ.  
Ohtani, N., Maebashi Inst. Tech.  
Saito, M., Ashikaga Inst. Tech.  
Sakai, H., Kyoto Univ.  
Sasagawa, T., Sophia Univ.  
Takeuchi, Y., Osaka Edu. Univ.  
Yamane, Y., Ashikaga Inst. Tech.  
Yamashiro, M., Ashikaga Inst. Tech.  
Yasuda, T., Shiga Pref. Univ.

### PRELIMINARY ANNOUNCEMENT AND CALL FOR PAPERS

The 33rd ISCIE International Symposium on Stochastic Systems Theory and Its Applications will be held from October 29 to 30, 2001 at Ashikaga Institute of Technology, 268-1 Ohmaecho, Ashikaga-City, Tochigi, 326-8558, Japan. The technical program will cover the general topic of stochastic systems and its applications, but not be limited to the following subjects:

- Analysis of Stochastic Processes and Stochastic Systems
- Applications in Engineering related to Stochastic Processes and Stochastic Systems
- Chaos and Fractal
- Control Relevant System Identification
- Fault Detection and Diagnosis
- Image Processing and Pattern Recognition
- Neural Networks and Fuzzy Systems
- Signal Detection and Random Signal Processing
- State Estimation and Control of Stochastic Systems
- Stochastic Approaches in Medical and Biomedical Systems
- Stochastic Optimization Methods
- System Identification and Parameter Estimation
- Time Series Analysis and Spectral Estimation

---

### PAPERS SUBMISSION

Authors are invited to submit extended abstracts, which must be written in English and must be received by **July 31, 2001**. Extended abstracts should not exceed two pages and should be prepared on A4 white paper with 25mm margins on all sides, using a high-quality printer or laser shot printer in one column format, 10 points or larger, and printed on one-side of the paper only. Please include the title, authors name(s), affiliation(s), telephone-, fax-numbers and e-mail address on the top of the first page of the extended abstract. Please submit **three copies** of your abstract to the Symposium Secretariat. **Fax submissions are not acceptable.**

Authors will be advised regarding acceptance of the extended abstract by **August 31, 2001**. Typing instructions concerning preparation of camera-ready manuscripts for the Proceedings will be sent to the authors at the time of acceptance of extended abstracts. The maximum length of each manuscripts including both text and illustrations will be **six pages** (about 4500 words). Authors are requested to bring **four copies** of manuscripts for the Proceedings to the registration desk at the Symposium. In order to assure a high-quality of the Proceedings, all manuscripts will be reviewed and only accepted ones will be included in it.

---

### SPECIAL SESSIONS

Proposals for organized sessions are welcome and should be submitted to the chairman of Organizing Committee before July 31, 2001.

---

### IMPORTANT DATES

<b>July 31, 2001</b>	Submission of extended abstracts and organized session proposals
<b>August 31, 2001</b>	Notification of acceptance of submissions
<b>October 29-30, 2001</b>	Symposium and manuscripts for the Proceedings are due

---

### SYMPOSIUM SECRETARIAT

Extended Abstracts, proposal of special sessions, and all other correspondence including inquiries should be addressed to:

Prof. T. Nakamizo, The 33rd SSS Secretariat  
Department of Mechanical Engineering, Ashikaga Institute of Technology  
268-1 Ohmaecho, Ashikaga-City Tochigi 326-8558, Japan  
Phone: (+81) 284-62-0609, Ext.256 Fax: (+81) 284-62-9802  
E-mail: nakamizo@ashitech.ac.jp

† Chair  
\* Secretary