

## **Call for Papers for Special Issue of International Journal of Innovative Computing, Information and Control**

### **Recent Advances in Stochastic Systems Theory and Its Applications**

In the past decades, a great amount of effort has been devoted to the study on stochastic systems theory and its applications. As it is well known, stochastic systems have wide application fields, such as engineering, communications, networked control, power plant generation, mathematical science, cybernetics, economics, biology, etc. This obviously is due to the fact that randomness or uncertainties are accompanied with almost all 'complex systems', whether or not it is physical, and a treatment in the context of stochastic systems is inevitable. Thus, there have been a great deal of research activities in this field among academics, scientists and engineers, as exemplified by the fact that the annual International Symposium on Stochastic Systems Theory and Its Applications (SSS) sponsored by the Institute of Systems, Control and Information Engineers is now the 38<sup>th</sup> in the year 2006. It is believed that this area will continue to grow in both theories and applications.

This special issue will be dedicated to the publication of a variety of original papers on recent development on the theory of stochastic systems theory as well as its applications which were presented at the 38th SSS (or SSS'06), RAKO Hananoi Hotel, Suwa, Japan, November 9-10, 2006. Papers are invited on general topics in this field, including (but not limited to) analysis of stochastic processes and stochastic systems, state estimation and control of stochastic systems, system identification and parameter estimation, signal processing and spectral estimation, image processing and pattern recognition, applications in engineering, chaos and fractal, neural networks and fuzzy systems, stochastic approaches in medical and biomedical systems, and mathematical finance, etc.

### **Manuscript Submissions**

**Manuscript Styles:** The manuscript should be prepared as single-column and double spacing. The paper should start with Title, Author name(s), Authors' affiliations and e-mail addresses, the name of corresponding author, Abstract, Keywords, main body, Acknowledgements, and References.

**Submission Deadline: February 28, 2007**

All submissions (**PDF, PS, or MS-Word file**) should be addressed to any of the Guest Editors:

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All submissions will go through peer review. The accepted papers will be published tentatively in Vol.3, no.6, 2007, or Vol.4, no.1, 2008.

After the acceptance, the papers will be treated similarly as those for normal issues in terms of copyright transfer, page charges, etc. The details can be found in <http://www.ijicic.org>