

## Call for Papers

### IEEE International Workshop on Genomic Signal Processing and Statistics, GENSIPS'07

Sunday, 10 June - Tuesday, 12 June 2007, Tuusula, Finland

#### GENSIPS'07

The aim of this Fifth IEEE International Workshop on Genomic Signal Processing and Statistics is to provide a forum for presenting new results on genomic signal processing and statistics for functional genomics and systems biology, and to identify potential areas of research and collaboration between the biological, statistical, and signal processing communities.

#### Areas of Interest (but not limited to)

- Signal processing and statistical approaches for functional genomics problems
- Reverse engineering of biological circuits
- Data mining and pattern recognition methods for functional genomics
- Control theory and systems theory techniques for systems biology
- Models for cellular metabolism and inter-cellular signaling
- Modeling and simulation of biological regulatory networks
- Novel architecture and implementation methods for large-scale functional genomics
- High-throughput hardware/software approaches to genome-scale network modeling
- Integration of heterogeneous data
- Microarray image and data analysis
- Signal processing methods in sequence analysis

#### Paper Submission

Prospective authors are invited to submit papers written in English via the GENSIPS'07 website. At least one author of each paper is required to register. For more information, visit the workshop website at <http://www.cs.tut.fi/gensips07/>.

#### Venue

The Fifth IEEE International Workshop on Genomic Signal Processing and Statistics (GENSIPS'07) will be held in Gustavelund, Tuusula, Finland. The Gustavelund conference hotel is situated at Tuusula, an area rich in Finnish history, culture and natural beauty. Helsinki is just a half hour's drive away and the Helsinki-Vantaa International Airport is even closer. Gustavelund is easy to reach, from Finland and from abroad. Venue homepage <http://www.gustavelund.fi/>.

#### Important Dates

- **December 22, 2006:** Two- to four-page summaries due
- **February 22, 2007:** Accept/reject notifications sent out
- **April 1, 2007:** Final two- to four-page camera-ready papers due
- **June 10-12, 2007:** Workshop dates

#### Workshop Website

For further information please visit the workshop homepage <http://www.cs.tut.fi/gensips07/>.

#### Organizing Committee

##### General Chair:

**Jaakko Astola**, Tampere University of Technology

##### Technical Program Chairs:

**Ioan Tabus**, Tampere University of Technology

**Aniruddha Datta**, Texas A&M University

**Ilya Shmulevich**, Institute for Systems Biology

##### Tutorial Chair:

**Sami Kaski**, University of Helsinki

##### Plenary Speaker Chair:

**Edward R. Dougherty**, Texas A&M University

##### Special Session Chairs:

**Yidong Chen**, National Institutes of Health

**Mauno Vihinen**, University of Tampere

##### Publication Chair:

**Yufei Huang**, University of Texas at San Antonio

##### Financial Chair:

**Ciprian Doru Giurcaneanu**, Tampere Univ. of Tech.

##### Local Arrangement and Registration Chairs:

**Olli Yli-Harja**, Tampere University of Technology

**Heikki Huttunen**, Tampere University of Technology

##### Publicity Chairs:

**Ahmed Tewfik**, University of Minnesota

**Tatsuya Akutsu**, Kyoto University

##### Workshop Secretariat:

**Pirkko Ruotsalainen**, Tampere Univ. of Technology

**Eeva Mäkiraatikka**, Tampere Univ. of Technology

#### Technical Committee (more to invite)

**Junior Barrera**, University of Sao Paulo

**Xue-wen Chen**, Kansas University

**Donald Geman**, Johns Hopkins University

**Debashis Ghosh**, University of Michigan

**Morgan Giddings**, University of North Carolina

**Simon Godsill**, University of Cambridge, UK

**Robert S. H. Istepanian**, Kingston University

**Hidde de Jong**, INRIA, France

**Aggelos Katsaggelos**, Northwestern University

**Seungchan Kim**, Arizona State University

**Hamid Krim**, North Carolina State University

**Elebeoba E. May**, Sandia National Laboratory

**Gustavo A. Stolovitzky**, IBM

**Paola Sebastiani**, University of Massachusetts

**Joanne Yeh**, University of Pittsburgh

**Bin Yu**, University of California, Berkeley

**Xiaobo Zhou**, Harvard Medical School