



# 2013 IEEE International Workshop on Genomic Signal Processing and Statistics

November 17-19, 2013 • Houston, Texas, USA

<http://www.gensips2013.org/>

## Call for Papers

The 2013 IEEE International Workshop on Genomic Signal Processing and Statistics (GENSIPS 2013) will be held in Houston during November 17-19, 2013. GENSIPS 2013 will provide a forum for signal processing researchers, bioinformaticians, computational biologists, biomedical engineers, and biostatisticians to exchange ideas and discuss the challenges confronting computational bioinformatics and systems biology communities due to the high modality of disparate high-throughput data, high variability of data acquisition, high dimensionality of biomedical data, and high complexity of genomics and proteomics. GENSIPS 2013 will feature prominent plenary speakers in biomedical research. GENSIPS 2013 will also provide best paper awards to students with outstanding technical contributions.

The conference will be held at the Houston Marriott Hotel. Located on Fannin St, this hotel is on the Metro line and located in the heart of the Texas Medical Center Area. The meeting location also allows for easy access to popular Houston destinations such as the Houston Zoo, Museum of Natural Sciences and Museum of Fine Arts. In addition, Rice Village (1.5 mi from hotel) and nearby areas offer multiple choices for shopping and dining.

Papers on original research in computational biology and bioinformatics are solicited. Abstracts for poster presentation are also welcome. Topics of interest include, but are not limited to:

- Deep sequencing data analysis
- Methods for analyzing SNP/genotype/epigenetic data
- LC/MS data analysis and proteomics
- Cancer genomics and cancer drug screening
- Functions of microRNA and non-coding RNAs
- Differential analysis of molecular regulatory networks
- Functional meta-genomics and biomolecular dynamics in microbial communities
- Dynamics and control of genetic regulatory networks
- Modeling of cancer evolution and intra-tumoral heterogeneity
- Modeling of genetic networks and signaling pathways

Travel and best paper awards sponsored by National Science Foundation will be provided to student/post doctoral authors of papers with exceptional quality.

**Paper Submission:** All submitted papers (up to 4 pages) will be peer-reviewed. Accepted papers will be published in conference proceedings that will be archived in IEEE Xplore. Authors of papers of exceptional quality will be invited to submit a journal version to a special issue of a high-quality journal.

Important Deadlines	
Aug. 2, 2013	Full papers due; proposal for special session due
Sep. 9, 2013	Notification of Acceptance
Oct. 21, 2013	Poster abstract due
Oct. 28, 2013	Camera Ready paper due and early registration
Nov. 17-19, 2013	GENSIPS 2013

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