CALL FOR POSTERS AND HIGHLIGHTS

2nd IEEE International Conference on Computational Advances in Bio and Medical Sciences (ICCABS)

Feb. 23-25, 2012, Las Vegas, Nevada

STEERING COMMITTEE

Srinivas Aluru
Iowa State U.

Reda A. Ammar
U. of Connecticut

Tao Jiang
U.C. Riverside

Vipin Kumar
U. of Minnesota

Ming Li
U. of Waterloo

S. Rajasekaran (Chair)
U. of Connecticut

John Reif
Duke University

Sartaj Sahni
U. of Florida

GENERAL CHAIRS

Sorin Istrail
Brown University

S. Rajasekaran
U. of Connecticut

PROGRAM CHAIRS

Ion Mandoiu
U. of Connecticut

Mihai Pop
U. of Maryland

John Spouge
NCBI/NIH

FINANCE CHAIRS

Reda A. Ammar

Yufeng Wu
U. of Connecticut

LOCAL ARRANGEMENTS CHAIR

Martin Schiller
U. of Nevada LV

WORKSHOPS CHAIR

Alex Zelikovsky
Georgia State U.

Advances in high-throughput technologies such as DNA sequencing and mass spectrometry are profoundly transforming life sciences, resulting in the collection of unprecedented amounts of biological and medical data. Using this data to advance our knowledge about fundamental biological processes and improve human health requires novel computational models and advanced analysis algorithms. IEEE ICCABS aims to bring together leading academic and industry researchers to discuss the latest advances in computational methods for bio and medical sciences.

SCOPE

Topics of interest include but are not limited to:

- **Biological modeling and simulation**
- **Biomedical image processing**
- **Biomedical data and literature mining**
- **Computational genetic epidemiology**
- **Computational metabolomics**
- **Computational proteomics**
- **Databases and ontologies**
- **Gene regulation**
- **Genome analysis**
- **Health Informatics**
- **High-performance bio-computing**
- **Immunoinformatics**
- **Molecular evolution**
- **Population genomics**
- **Sequence analysis**
- **Structural bioinformatics**
- **Systems biology**
- **Transcriptomics**

SUBMISSION INSTRUCTIONS

At this time we accept poster and Highlights submissions.

Each poster submission should not exceed 1 page in length. In addition to being displayed, each accepted poster will also be allocated a short time for an oral presentation. Each poster title should start with the word "Poster:" Accepted abstracts will be published in the IEEE Xplore Digital Library.

The Highlights track is meant for authors to talk about results from previously published papers. Each accepted speaker will be given the same amount of time as that for a regular paper. Nothing will be published in the proceedings corresponding to the Highlights track. Authors are asked to submit a brief summary and the importance along with publication details of the paper they want to talk about. The title of the summary should start with the word "Highlights:".

Authors are invited to make their submissions electronically in PDF format by following the instructions at http://www.easychair.org/conferences/?conf=iccabs12. Submissions should be prepared using IEEE Computer Society's Word/LaTeX templates available at http://www2.computer.org/portal/web/cscps/formatting.

KEYNOTE AND INVITED SPEAKERS

- **Pavel Pevzner (Keynote); David Sankoff (Keynote); Srinivas Aluru (Invited); Tanya Berger-Wolf (Invited); Maricel Kann (Invited); Vipin Kumar (Invited); Rachel O'Neill (Invited); Roded Sharan (Invited); More to come**

KEY DATES

Submissions deadline	**January 27, 2012**
Notification of acceptance	**February 2, 2012**
Camera-ready version and author registration	**February 6, 2012**

http://www.iccabs.org/