

# Computational Structural Bioinformatics Workshop in IEEE BIBM2009

November 1-4, 2009, Washington D.C., USA

## Call for Papers and Posters

Computational Structural Bioinformatics Workshop (CSBW) will be held in conjunction with the IEEE International Conference on Bioinformatics and Biomedicine (BIBM 2009). The rapid accumulation of macromolecular structures presents a unique set of challenges and opportunities in analysis, modeling, and prediction of macromolecular structures and interactions. This workshop aims to bring together researchers with expertise in bioinformatics, computational biology, structural biology, data mining, optimization and high performance computing to discuss recent results, new techniques, and open research problems in computational structural bioinformatics. Registration of the CSBW will enjoy the benefit of the main conference BIBM2009.

## Topics of Interest

(listed below but not limited to)

- Structure representation
- Structure prediction
- Structure alignment
- Interaction and docking
- ~~Workshop must give a presentation~~
- Bio-molecular graphics
- Coarse grained modeling
- Data mining of structural data
- Structural genomics
- High performance computing in modeling
- Graph theory applied to structural problems
- Optimization in structural problems
- Bio-molecular structure refinement
- Structure-based drug design

For more information about CSBW, please visit:

<http://www.cs.nmsu.edu/~dsi/bioworkshop09>

For more information about BIBM2009, please visit:

<http://www.ittc.ku.edu/bioinformatics/BIBM09>

## Program Chairs

Di Wu, Western Kentucky University  
Jing He, New Mexico State University  
Zhijun Wu, Iowa State University

## Program Committee

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Iosif Vaisman, George Mason University  
Yaoqi Zhou, Indiana Univ.-Purdue Univ. Indianapolis

## Submission Guidelines

CSBW invites high quality original papers, including the regular papers and short papers (such as ones with maximum of 4-pages), on any computational development in structure related problems. Papers should use the two-column IEEE format. The papers will be published in a proceeding by IEEE. Selected papers will be invited for publication in a special issue of *International Journal of Computational Biosciences* or in the supplement issue of *BMC Structural Biology* journal.

One of the authors of an accepted paper is required to register for the workshop and to give a presentation.

## Poster Session

We will accept abstracts for a poster session to provide a greater communication than presentations.

## Important Dates of Workshop

Submission of deadline:	August 15, 2009
Notification of acceptance:	September 10, 2009
Camera ready paper:	September 17, 2009
Poster submission deadline:	October 15, 2009

Please email your question to:

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