

## CALL FOR PAPERS

### *Special Issue on “Data Mining in Bioinformatics and Biomedicine”*

#### Guest Editors:

Prof. Hamid R. Arabnia  
Dept. of Computer Science  
University of Georgia, USA  
[hra@cs.uga.edu](mailto:hra@cs.uga.edu)

Prof. Xue-Wen Chen  
Dept. of Computer Science and Electrical Engineering  
University of Kansas, USA  
[xwchen@ittc.ku.edu](mailto:xwchen@ittc.ku.edu)

#### Scope:

We are soliciting high quality original research papers (including significant works - in - progress) in any aspect of bioinformatics and biomedicine. New computational techniques and methods in machine learning; data mining; text analysis; pattern recognition; knowledge representation; databases; data modeling; combinatorics; stochastic modeling; string and graph algorithms; linguistic methods; robotics; constraint satisfaction; data visualization; parallel computation; data integration; modeling and simulation and their application in life science domain are especially encouraged

Specific interests are in (but not limited to) the following areas:

- Biological data pre-processing and cleaning
- Biological data visualisation
- Biological data integration and management
- Biomedical ontologies construction/management
- Microarray data analysis
- Protein/RNA structure prediction
- Genomics and proteomics
- Biomedical literature data mining
- Modelling of biomolecular pathways
- Whole, multiple genome comparison
- Systems biology and pathways
- Biological data curation

**Instruction for Paper Submission:**

Manuscripts should be prepared according to the format of the IEEE Transactions and electronically submitted via the Manuscript Central (<http://embs-ieee.manuscriptcentral.com/>).

Choose *Data Mining in Bioinformatics and Biomedicine* in the manuscript type.

**Important Dates:**

**Call for Papers: Dec 15, 2008**

**Manuscripts Due: Feb 15, 2009**

**First Reviews Due: May 1, 2009**

**Revised Manuscript Due: June 15, 2009**

**Final Decision: Aug 1, 2009**

For any further questions, please contact the Guest Editors or the Editor-in-Chief:

Prof. Yuan-Ting Zhang  
The Chinese University of Hong Kong,  
Rm. 427, Ho Sin Hang Engineering Building,  
The Chinese University of Hong Kong,  
Shatin, Hong Kong SAR

Email: [ytzhang@ee.cuhk.edu.hk](mailto:ytzhang@ee.cuhk.edu.hk)

Phone: +852-2609-8458

Fax: +852-2609-5558