Call for Paper: IEEE BIBM 2008

2008 IEEE International Conference on Bioinformatics and Biomedicine
Philadelphia, PA, USA, Nov. 3-5, 2008

http://www.ischool.drexel.edu/ieeebibm/bibm08/about/bibm-about.asp

IEEE BIBM 2008 will provide a general forum for disseminating the latest research in bioinformatics and biomedicine. It is a multidisciplinary conference that brings together academic and industrial scientists from computer science, biology, chemistry, medicine, mathematics and statistics. It will exchange research results and address open issues in all aspects of bioinformatics and biomedicine and provide a forum for the presentation of work in databases, algorithms, interfaces, visualization, modeling, simulation, ontology and other computational methods, as applied to life science problems, with emphasis on applications in high throughput data-rich areas in biology, biomedical engineering. IEEE BIBM 2008 intends to attract a balanced combination of computer scientists, biologists, biomedical engineers, chemist, data analyzer, and statistician.

BIBM Featuring:

- **A unique two-hours panel/keynote speech to address future research directions and potential funding opportunities** led by 4 Program Managers/Directors in leading funding agency NSF/NIH/DoE:
  - Jennifer Couch (NIH),
  - Susan Gregurick (DoE-OBER),
  - James French Frehcn (NSF-IIS))
  - Grace Peng (NIH-NIBIB)

- **Keynote speakers**
  - Olivier Bodenreider,
  - Zoran Obradovic,
  - Steven Salzberg.
  - Yuan-Ting Zhang

- **Selected papers will be invited for publication in the following 3 journal special issues**
  - IEEE Transaction on Information Technology in Biomedicine
  - BMC Bioinformatics
  - Artificial Intelligence in Medicine (AIIM)
  - International Journal of Data Mining and Bioinformatics
**Topics of interests**

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 heir application in life science domain are especially encouraged. For relevant topics, please refer to “PC Area Chairs”.

**Conference Co-Chairs**

Prof. Hamid R. Arabnia,
Department of Computer Science
The University of Georgia, USA
Email: hra@cs.uga.edu

Prof. Xiaohua Tony Hu
College of Information Science and Technology
Drexel University, USA

**Program Co-Chairs:**

Prof. Xue-wen Chen,
Electrical Engineering and Computer Science Department
The University of Kansas, USA
Email: xwchen@ku.edu

Prof. Sun Kim
School of Informatics, Indiana University, USA
Sunkim2@indiana.edu, sun.kim@acm.org

**Vice Chairs for Research Areas**

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<thead>
<tr>
<th>Relevant topics included but not limited to</th>
<th>Area Chairs</th>
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<tr>
<td>• Bioinformatics of Diseases</td>
<td>• Jake Chen, IUPUI, USA</td>
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<td>Biomedical Text Mining and Ontologies</td>
<td>Cathy Wu, Georgetown U., USA</td>
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<tr>
<td>Biological Data Mining and Visualization</td>
<td>Aidong Zhang, SUNY Buffalo, USA</td>
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<td>Biomedical Intelligence &amp; Clinical Data Analysis</td>
<td>Luonan Chen, Osaka Sangyo U., Japan</td>
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<td>BioMedical Signal/Image Analysis</td>
<td>Vladimir Pavlovic, Rutgers U, USA</td>
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<td>Comparative Genomics</td>
<td>Saurabh Sinha, UIUC, USA</td>
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<td>Computational Modeling &amp; Data Integration</td>
<td>Ramana Davuluri, Wistar, USA</td>
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<td>Computational Systems Biology</td>
<td>Satoru Miyano, U of Tokyo, Japan</td>
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<td>Gene Regulation and Transcriptomics</td>
<td>Raja Jothi, NIH/NHLBI, USA</td>
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<td>Massively Parallel Sequencing &amp; Applications</td>
<td>Dong Xu, U. of Missouri, USA</td>
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<td>Microarray Data Analysis</td>
<td>T. M. Murali, VirginiaTech, USA</td>
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<td>New Emerging Areas</td>
<td>Doheon Lee, KAIST, Korea</td>
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<td>Protein Structure, function, and interactions</td>
<td>Xiangsun Zhang, Chinese Academy of Science</td>
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<td>Sequence Analysis, Evolution and Phylogeny</td>
<td>Mona Singh, Princeton U., USA, Carl Kingford, UMD, USA</td>
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<td>Translational Genomics in Engineering</td>
<td>Daisuke Kihara, Purdue U., USA</td>
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<td>Edward Dougherty, Texas A&amp;M, &amp; Yufei Huang, UTSA, USA</td>
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**Workshop Chairs:**
Jiong Yang, Case Western Reserve University
Jean Gao, UT Arlington
Illhoi Yoo, University of Missouri-Columbia

**Tutorial Chairs:**
Jing Li, Case Western Reserve University

**Award Chairs:**
Jing He, New Mexico State University
Luke Huan, The University of Kansas
Feng Luo, CLEMSON University

**Publicity Chairs:**
Mengxia Zhu, Southern Illinois University
Slobodan Vucetic, Temple University

Proceedings Chairs
Joe Song, New Mexico State University

Sponsorship Chairs
Mehmet Dalkilic, Indiana University

Industry and poster program chair:
Liao Li, Univ. of Delaware
Greg Gonye, Thomson Jefferson University

Local Arrangements Chairs
Yuan An, Drexel University
Jason Li, Drexel University

Registration Chairs
Ming Son, New Jersey Institute of Technology

SUBMISSION REQUIREMENTS:
Please submit a full length paper (8 page IEEE 2-column format) thorough the online submission system (you can download the format instruction here for Latex or word). Electronic submissions (in PDF or Postscript format) are required. Selected participants will be asked to submit their revised papers in a format to be specified at the time of acceptance. The Best papers selected from the IEEE BIBM 08 will be published as a special issue in BMC Bioinformatics and related IEEE Transactions and other journals such as IJDMB,

Online Submission
http://kis-lab.com/cyberchair/bibm08/scripts/submit.php

Important Date:

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<th>Workshop proposal submission:</th>
<th>June 5, 2008</th>
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<td>Electronic submission of full papers:</td>
<td>July 15, 2008</td>
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<td>Tutorial proposal submission:</td>
<td>June 25, 2008</td>
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<td>Camera-ready of accepted papers:</td>
<td>Sept. 5, 2008</td>
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<td>Conference:</td>
<td>Nov 3-5, 2008</td>
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