

Workshop on Bioinformatics Algorithms in the International Joint Conference on Bioinformatics, Systems Biology and Intelligent Computing (IJCBS'09)

Shanghai, China
August 3-6, 2009

<http://www.isibm.org/IJCBS/workshops.html>

Call for Papers

Workshop on “**Bioinformatics Algorithms**” will be held as part of the *International Joint Conference on Bioinformatics, Systems Biology and Intelligent Computing (IJCBS'09)*, which will take place in *Shanghai, China on August 3rd - 6th, 2009*. You are invited to submit papers to this workshop with unpublished work on bioinformatics algorithms.

Original research papers are solicited in **all aspects of algorithms in bioinformatics**, including, but not limited to: algorithms for *sequence alignment and assembly, genetics and genomics sequence analysis, bio-ontology and data mining, identification and classification of genes, sequence search and alignment, protein structure prediction and molecular simulation, molecular evolution and phylogeny, functional genomics, proteomics, pathways, gene networks, proteomics, functional genomics, drug discovery and design, gene expression analysis, bio-data visualization, modeling and simulation of bio-sets, biomarkers of toxicity, bio-imaging, signaling and computation*. In addition, *high-performance computing approaches* to implementing and testing algorithms for computationally hard problems in bioinformatics, and *methods, software, and dataset repositories* for development and testing of bioinformatics algorithms are also welcome.

Important Dates

Paper Submission (maximum 8 pages with IEEE/CS conference format): **February 15, 2009**

Notification to Authors: March 15, 2009

Camera-Ready, Full Papers: April 5, 2009

Paper Submission

To submit your paper to this workshop, submit your paper to the host conference IJCBS using the submission system <http://www.isibm.org/IJCBS/submission.html> . In your submission in the footnote, you need to include “**for Bioinformatics Algorithms Workshop**”. Papers can also be submitted by e-mail at abdullah.n.arslan@gmail.com . It is desired that papers reporting on bioinformatics algorithms are submitted to this workshop of IJCBS.

Publication

All submitted papers will be peer-reviewed. All accepted papers of registered authors will be included in the proceedings published by IEEE Computer Society and indexed in EI. Selected papers will be invited to adapt their papers for their publication in several journals, including *BMC Genomics*, *International Journal of Data Mining & Bioinformatics*, *International Journal of Pattern Recognition and Artificial Intelligence*, *Journal of Supercomputing*, *International Journal of Computational Biology and Drug Design*, *IJFIPM* and other SCI and PubMed indexed journals.

Other Information

IJCBS'09 will grant awards to the best paper of those presented at the conference. IJCBS'09 will also award a number of travel fellowships for students and authors of outstanding papers. Please find IJCBS'09 conference organization, all workshops, special sessions, tutorials, keynotes, paper submission and registration information at the IJCBS website <http://www.isibm.org/IJCBS>. If you have any questions regarding the "Bioinformatics Algorithms" Workshop please contact Dr. Abdullah N. Arslan by e-mail at abdullah.n.arslan@gmail.com. For all other inquiries, please contact Dr. Joe Zhang (USA) or Dr. Guozheng Li (China) by email at ijcbs09@orca.st.usm.edu.

Other information on IJCBS'09 can be found at the IJFCS website <http://www.isibm.org/IJCBS>.

Sponsors/Supporters: ISIBM, NSF, IEEE, IEEE Computer Society, Chinese Academy of Science and Tongji University in Shanghai