

The 2009 IEEE International Workshop on Bioinformatics and Life Science Modeling and Computing (BLSMC 09)

Bradford, UK, May 26-29, 2009

In conjunction with The IEEE 23rd International Conference on Advanced Information Networking and Applications (AINA-09)

Sponsored by
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Call for papers

The aim of this symposium is to facilitate exchange of ideas and collaborations between computer scientists and biologists by presenting cutting-edge solutions of Modeling, Computing and Learning in Biology and Life Science. We invite submissions that address conceptual and practical issues of bioinformatics and life science with an interdisciplinary character. For example, computer science and mathematical modeling papers should contain a concise description of the biological problem being solved and biology papers should show the enhancement of computation tools.

TOPICS:

- Data Integration for Microarray Analysis
- Optimization in Metabolic Pathway
- Molecular Dynamics
- Comparative Genomics
- Protein Structure Prediction
- Biological Systems as Reactive Systems
- Algorithms for Sequence Alignment and Phylogeny Reconstruction
- Genome Annotation Using Software Agents
- Image Processing for Biomedical Applications
- Biotechnology Modeling: from Processes to ODEs
- Mathematical Models of Cancer Immunotherapy
- Stochastic Dynamics of Gene Networks
- Hidden Markov Models with Application in Biology
- High Performance Bio-Computing
- ODEs in Biological Compartments
- Biological Applications of Data-Mining and Machine Learning Techniques
- Quantum-Chemical Calculations
- E-Learning in Biology

Important dates

- Submission deadline: December 1, 2008
- Author notification: January 1, 2009
- Author registration: January 19, 2009
- Final revised draft due to publisher: January 19, 2009
- Conference/Workshop dates: May 26-29, 2009

Conference Website: <http://www.laas.fr/BLSMC09/>

Proceedings of the AINA 2009 conference will be published by IEEE Computer Society Press

