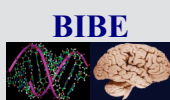




8th IEEE International Conference on Bioinformatics and BioEngineering

October 8-10, 2008, Athens, Greece



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Aim & Scope

The annual IEEE International Conference on Bioinformatics and Bioengineering aims at building synergy between Bioinformatics and Bioengineering, two complementary disciplines that hold great promise for the advancement of research and development in complex medical and biological systems, agriculture, environment, public health, drug design. Research and development in these two areas are impacting the science and technology in fields such as medicine, food production, forensics, etc. by advancing fundamental concepts in molecular biology, by helping us understand living organisms at multiple levels, by developing innovative implants and bio-prosthetics, and by improving tools and techniques for the detection, prevention and treatment of diseases.

The BIBE series provides a common platform for the cross fertilization of ideas, and for shaping knowledge and scientific achievements by bridging these two very important and complementary disciplines into an interactive and attractive forum. Keeping this objective in mind, BIBE solicits original contributions in the following non exclusive lists of areas:

Topics

BIOINFORMATICS

- Bio-molecular and Phylogenetic DBs
- Query Languages, Interoperability
- 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
- Drug Discovery
- Gene Expression Analysis
- Data Visualization
- Systems Biology
- Algorithms, Modelling and Simulation of Bio-Sets
- Biomarkers of Toxicity
- Bio-Imaging
- Signalling and Computation

BIOENGINEERING

- Biological Systems and Models
- Engineering Models in Bio-Medicine
- Computer Assisted Intervention Systems
- Medical Robotics
- Nano-Medicine
- Nano-Mechanisms for Molecular Systems
- Nano-Bio-Computing
- Biomedical & Biological Sensors
- Cell Engineering
- Molecular and Cellular Systems
- Body's and Cell's Bio-signatures
- Tissue Engineering
- Neuro-Engineering
- Biomedical Image Processing and Analysis
- Microarray Technologies
- Biomedical Data Engineering
- Biomaterials
- Bioengineering Applications for People with Disabilities and the Elderly

Paper Submission

The submissions should contain original, high quality, not submitted or published elsewhere work. Papers should be submitted electronically (through BIBE 2008 web site) in .pdf format and should conform to IEEE specifications (single-spaced, double-column, 10-point font size, up to 8 pages).

Paper Presentation

Each accepted paper should be presented by one of the authors and accompanied by at least one full registration fee payment, to guarantee publication in the proceedings. All accepted papers will be included in proceedings of BIBE 2008 that will be published by the IEEE.

Special Issues

Extended versions of selected papers of the conference will be invited for publication in special issues of IEEE and other International Journals (SCI Indexed).

Further Information

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Paper submission: June 15, 2008

Acceptance notification: July 15, 2008

Camera ready paper: August 5, 2008

