



BIBE



BAIF

17th International Conference on BioInformatics and BioEngineering Oct 23-25, 2017, Washington DC, USA

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Aim & Scope

The series of BIBE Conferences was found in 2000 and BIBE is the first leading Conference of its kind in IEEE/Internationally inspiring others to follow its path. The 17th annual IEEE International Conference on Bioinformatics and Bioengineering aims at building synergy between Bioinformatics and Bioengineering/Biomedical, 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 (not limited to)

BIOINFORMATICS

- Bio-molecular & Phylogenetic DBs
- Query Languages, Interoperability, Bio-Ontology and Data Mining
- Classification of Genes
- Sequence Search and Alignment
- Protein Structure Prediction and Molecular Evolution and Phylogeny
- Functional Genomics, Proteomics
- Drug Discovery
- Gene Expression Analysis
- Bioinformatics Engineering
- Big-Data Visualization
- Systems Biology
- Algorithms, Modelling and Simulation of Molecules and Bio-Sets
- Biomarkers of Toxicity
- Bio-Imaging
- Signalling and Computation

BIOENGINEERING/BIOMEDICAL

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

Paper Submission

The submissions should contain original, high quality, not submitted or published elsewhere work. Papers should be submitted electronically (through BIBE web site) in .pdf format and should conform to IEEE specifications (single-spaced, double-column, 10-point font size, up to 6 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 2017 that will be published by the IEEE.

PhD Presentations and Best Papers

Doctoral students will have the opportunity to present (in poster form) and share their research work during the conference (special arrangement) Also, **Best Student papers Awards** will be given in BIBE.

Special issues

Extended versions of the best papers of the conference will be invited for publication in special issues in **IEEE Journal on Biomedical Health Infor.** and **Int. Journal Neural Systems** (SCI Indexed).

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Paper submission: ~~June 25~~, July 15, 2017

Paper notification: ~~July 25~~, Aug 15, 2017

Camera ready paper: ~~August 25~~, Sep 15, 2017

