



## CALL FOR PAPERS

The series of BIBE Conferences was initiated in 2000 and is the first of its kind in IEEE inspiring others to follow its path. The 16<sup>th</sup> 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:

### BIOINFORMATICS

- Bio-molecular & 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 Bioinformatics Engineering
- Data Visualization
- Systems Biology
- Algorithms, Modelling and Simulation of Bio-Sets
- Biomarkers of Toxicity
- Bio-Imaging
- Signaling and Computation

### IMPORTANT DATES

Paper Submission	June 15, 2016
Acceptance Notification	July 15, 2016
Camera-ready Submission	August 15, 2016

### SPECIAL ISSUES

Accepted papers with extended version will be selected for publication in special issue in *International Journal on Artificial Intelligence Tools* (ISSN: 0218-2130) and *Journal of Medical and Biological Engineering* (ISSN: 1609-0985). Both journals are SCI indexed journals.

### 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 & Analysis
- Microarray Technologies
- Biomedical Data Engineering
- Biomaterials
- Bioengineering Applications for people with disabilities and the elderly
- Wearable and Implanted sensors

# Bioinformatics *and* BioEngineering

October 31 – November 2, 2016 • Taichung, Taiwan

<http://bibe2016.asia.edu.tw>

## PAPER SUBMISSION AND PRESENTATION

The submissions should contain original, high quality, not submitted or published elsewhere work. Papers should be submitted electronically (through BIBE 2016 web site) in .pdf format and should conform to IEEE specifications (single-spaced, double-column, 10-point font size, up to 8 pages).

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 2016 that will be published by the IEEE.

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