



UniMAP

CALL FOR PAPER

International Conference on Biomedical Engineering – (ICoBE-2012)

(Exploring Recent Trends in Biomedical Engineering Systems and Technologies)

Bay View Beach Resort, Penang, Malaysia

Organized by

School of Mechatronic Engineering,
Universiti Malaysia Perlis (UniMAP), Perlis, Malaysia

27-28, February 2012



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Objectives

This International Conference provides a forum for presentation and discussion of the cutting edge research in Biomedical Engineering Systems and Technologies. It plays a vital role in providing a platform for scientists, engineers, postgraduates and young researchers to share their ideas, knowledge and experience. Papers relating to the general title of Biomedical Engineering Systems and Technologies are solicited especially including those in the areas of biomedical signal processing, health informatics, bioinformatics, biomedical electronics and devices. Other related themes include, but not limited to:

Bio-Medical Signal Processing and Health Informatics

Bio-Medical Signal/Image Acquisition, Analysis and Processing, Wearable Sensors and Systems, Biometrics, Pattern Recognition, Fuzzy Systems, Evolutionary Systems, Neural Networks, Speech Recognition, Acoustic Signal Processing, Time and Frequency Analysis, Bio-signal Modeling, Non-linear Dynamics, Monitoring and Telemetry, Electromagnetic Fields in Biology and Medicine, e-Health, Telemedicine, Wearable Health Informatics, Cognitive Informatics, Affective Computing, Therapeutic Systems and Technologies, Healthcare Management Systems, Development of Assistive Technology, Rehabilitation, Pervasive Health Systems and Services.

Bioinformatics and Biomedical Devices

Structural Bioinformatics, Biostatistics and Stochastic Models, Computational Molecular Systems, Pharmaceutical Applications, Systems Biology, Computational Intelligence, Web Services in Bioinformatics, Biomedical Instrumentation, Biomedical Sensors, Biomedical Metrology, Microelectronics, Health Monitoring Devices, Embedded Signal Processing, Electrical Bio-Impedance, Bio-Electromagnetism, Biomechanics, Biorobotics, Biomechanics, Biocomputing, Biochips, Implantable Electronics, Biotelemetry, Biomaterials, MEMS, Nanotechnologies, Biomechanical Devices, Computer-aided Detection and Diagnosis, Brain-Computer Interfaces.

Submission of Papers

The working language of the conference is **English**. Prospective authors are invited to submit their original unpublished paper through **TRACK CHAIR** not later than **July 7, 2011**. The paper is to be **strictly of IEEE Format** and should be in **pdf**. The paper is to discuss the original contribution in not more than **six A4 pages**, with relevant Figures, Tables and References. Pages more than six will be charged extra. **Double blind review** will be followed in the review process. Please do not provide any identifiable information about the authors in the paper during the submission to the TrackChair. The authors are requested to follow the steps below while submitting the paper:

- (1) Sign-up with <http://icobeunimap.trackchair.com> and get the TrackChair log-in ID and password
- (2) Submit the full paper in **pdf** format through the TrackChair without specifying any information about the authors' names and affiliations and get the 8-digit TrackChair paper ID.
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Conference Home page : <http://icobe.unimap.edu.my/>
Track Chair address : <http://icobeunimap.trackchair.com>

Proceedings of ICoBE 2012 will be included in the IEEE Xplore and SCOPUS

Tutorial

Tutorial lectures in the field connected to the conference are arranged on **26 February 2012**, the details will be posted in the web site soon. For more information and queries, contact the ICoBE 2012 Secretariat.

Paper Acceptance

Each accepted paper must be presented by one of the authors after paying the necessary registration fee. Only one paper will be allowed to be presented for each registration.

Journals

The authors of selected best papers will be invited to submit extended versions of their papers for the following journals.

International Journal of Medical Engineering and Informatics.
International Journal of Biomedical Engineering and Consumer Health Informatics.
International Journal of Computational Intelligence and Healthcare Informatics.
International Journal of Medical Imaging and Health Informatics.

Important Dates

Proposal Tutorial Topics and Special Sessions : 7 June 2011
Receiving Full papers : 7 July 2011
Acceptance of Papers : 7 October 2011
Submission of Camera Ready Copy : 7 November 2011
Registration (early bird) : 7 November 2011

