Announcement

The inaugural meeting of the IEEE-EMBS International Conference on Biomedical and Health Informatics (BHI) will be held in Hong Kong and Shenzhen, China, 5-7 January, 2012. BHI is a new Special Topic Conference recently launched by the IEEE Engineering in Medicine and Biology Society (EMBS). The inaugural meeting will be held in conjunction with the 8th International Symposium on Medical Devices and Biosensors and the 7th International Symposium on Biomedical and Health Engineering, with joint sponsorship by the IEEE-EMBS and the Key Lab of Health Informatics of Chinese Academy of Sciences (HI-CAS).

BHI 2012 will be focused on the theme of Global Grand Challenge of Health Informatics. It will provide a unique forum to examine enabling technologies of devices and systems that optimize the acquisition, transmission, processing, storage, retrieval of biomedical and health information as well as to report clinical studies on the novel application of health informatics systems and the deployment of telemedicine.

Important Dates:
- Paper Submission Deadline: 14 Oct 2011
- Notification of Acceptance: 11 Nov 2011
- Early Registration: 2 Dec 2011
- Pre-conference Workshop: 5 Jan 2012 (in Hong Kong)
- Conference Dates: 6-7 Jan 2012 (in Shenzhen)

Features:
- Special Academician & Fellow Forum sponsored by the Key Lab for Health Informatics of Chinese Academy of Sciences
- Special Workshop on “Meet with IEEE-EMBS Editors-in-Chief” sponsored by IEEE Engineering in Medicine and Biology Society
- Special Panel on “Grand Challenge on Health Informatics”
- Special Forum on “Imaging Informatics”
- Accepted papers will be included in IEEE Xplore
- Extended version of selected papers may be considered for publication in the IEEE Trans. on Information Technology in Biomedicine (SCL, El, Scopus)

Organizing Committee
Chairs & Co-chairs
Local Arrangement: L. Qin / C. Y. Zhang
Treasurer: G. L. Li / Kevin Hung
Publication: Lei Wang / X. X. Cai
Social Activities: L. P. Wang / Z. H. Wang
Industrial Relations: Lei Jin / Bryan So
Publicity: Ye Li / H. R. Zheng
Student Activities: T. Ma / R. F. Yan

BHI2012 Conference Website:
http://bhi2012.embs.org

Organized and Sponsored by:
- IEEE-Engineering in Medicine and Biology Society
- Key Lab for Health Informatics of Chinese Academy of Sciences
- CAS-SIAT Institute of Biomedical and Health Engineering (IBHE)
- IEEE-EMBS Hong Kong Chapter
- IEEE-EMBS Malaysia Chapter
- IEEE-EMBS Shenzhen Chapter

Technically Supported by:
- IEEE-EMBS Hong Kong Chapter
The conference covers a broad spectrum of themes including but not limited to the following topics:

I) P-STAR of Health Information
- Wearable and implantable devices
- Body sensor/area networks (BSN/BAN)
- Diagnostic and therapeutic systems
- Internet and web solutions for healthcare delivery
- Multi-scale modeling and information fusion;
- Ambient assisted living, smart homes;
- Electronic health records, interoperability and connectivity
- Context-aware retrieval

II) Biologically Inspired Informatics
- Virtual reality in medicine and surgery
- Bio-inspired robotics and biomimetics
- Brain-computer interfacing and human–computer interfacing

III) Informatics in Biological Systems
- Neuroinformatics
- Genomics and proteomics
- Bioinformatics, computational biology

IV) Medical Imaging Informatics
- Real-time imaging
- Multimodal imaging
- Molecular imaging

V) Health Informatics Applications
- Cardiovascular informatics
- Applications in the early diagnosis and treatment of cancers

VI) Deployment of m-Health and Telemedicine
- p-health, m-health, u-health, e-health systems
- Deployment Issues

Invited Speakers (Tentative): (ordered alphabetically)

- Metin Akay
  - USA
- Robert Butera
  - USA
- Atam P. Dhawan
  - USA
- Bin He
  - USA
- Michael Hughes
  - UK
- Andrew Laine
  - USA
- Z. P. Liang
  - USA
- Nigel Lovell
  - Australia
- Michael Neuman
  - USA
- Shuming Nie
  - USA
- X. C. Pan
  - USA
- José C. Príncipe
  - USA
- Christian Roux
  - France
- Milan Sonka
  - USA
- Nitish Thakor
  - USA
- May D. Wang
  - USA
- Bruce Wheeler
  - USA
- G. Z. Yang
  - UK
- Gudrun Zahlmann
  - Germany
- Y. T. Zhang
  - China