

President's WELCOME MESSAGE



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It is my great pleasure to welcome you to the inaugural meeting of the IEEE International Conference on Biomedical and Health Informatics (BHI). This meeting, focusing on the theme of *Global Grand Challenge of Health Informatics*, will provide an exciting platform for us to have a systematic discussion of cutting-edge technologies for the acquisition, transmission, processing, storage and retrieval of biomedical and health information, as well as the existing and emerging clinical applications of health information systems.

Under the able leadership of Dr. Yuan-Ting Zhang (Conference Chair), Dr. Morteza Naghavi (Conference Co-chair), Dr. Paolo Bonato (Program Chair), and Dr. Carmen C.Y. Poon (Program Co-chair), the Organizing Committee of BHI'2012 has developed an excellent inter-disciplinary program. This Program includes 4 keynote lectures, 15 invited talks, and 4 panel discussion sessions by top experts and leaders in the field, and 27 oral sessions and poster sessions formed from 266 accepted papers/abstracts. An Editors' Forum will also be held during the meeting (5:00 p.m. - 6:30 p.m., January 6, 2012, in Rose Hall 2) for the participants to meet with the Editors-in-Chiefs of all IEEE-EMBS journals. This Forum will provide a very valuable opportunity for junior researchers and students to get in-depth information about the publication process of our Journals and have frank, informal discussions about important publication issues with our Editors. So, I welcome you to attend.

I would also like to use this opportunity to reiterate that IEEE-EMBS is the largest member-based international society on biomedical engineering. We continue to strive to provide a unique, effective platform for biomedical engineers to publish, to present, to network, and to advance their careers. If you are not an IEEE-EMBS member yet, please consider joining this dynamic society, and join us for future IEEE-EMBS Conferences. Our flagship annual meeting will be held this year in San Diego, California, August 28-September 1, 2012 (<http://embc2012.embs.org/>). For more information about the activities sponsored by IEEE-EMBS, please visit our society website: <http://embs.org/>.

Again, welcome to BHI'12. I appreciate your participation and hope that you will find this meeting stimulating and rewarding.



WELCOME MESSAGE from Organizing Committees of BHI 2012

Dear Colleagues,

On behalf of the BHI 2012 Organizing Committee, it is our great pleasure to welcome you to the inauguration meeting of the IEEE-EMBS International Conference on Biomedical and Health Informatics in Shenzhen.

BHI is a new Special Topic Conference recently launched by the IEEE Engineering in Medicine and Biology Society (EMBS). This Special Topic Conference – Biomedical and Health Informatics (BHI) – is named after an EMBS flagship transaction, of which the title will soon be changed from IEEE Transactions on Information Technology in Biomedicine to IEEE Journal of Biomedical and Health Informatics starting from Jan. 2013. BHI intends to provide a unique forum to examine enabling technologies of devices and systems that optimize the acquisition, transmission, processing, storage and retrieval of biomedical and health information for preventive medicine, early detection, early diagnosis and early treatment of diseases. It is also opened for reporting clinical studies on the novel application of health information systems.

BHI 2012, held at the Shenzhen Convention and Exhibition Center on 5-7 Jan. 2012, focuses on the theme “Global Grand Challenge of Health Informatics” and has received 325 submissions (including invited abstracts) from near 40 countries/regions. The Final Program comprised of a total of 285 oral/poster presentations and 5 special workshop/forums contributed by representatives/panelists from 35 countries/regions.

The inaugural meeting of BHI is 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, the Key Lab of Health Informatics of Chinese Academy of Sciences (HI-CAS) and the CAS-SIAT - Institute of Biomedical and Health Engineering (IBHE), and technically co-sponsored by the Healthcare Information and Management System Society (HIMSS), HIMSS Asia Pacific and The Chinese University of Hong Kong (CUHK). The committee would like to particularly thank the support of the Keynote and Invited Speakers, each of whom will be introduced in the next section. We are also grateful to the R10 EMBS chapters for promoting the conference, all reviewers for their high-quality and efficient feedback, all session chairs for keeping the schedule on time, the members of the Hong Kong-Macau Joint EMBS Chapter, Dr. Lei Wang, Mr. Y. P. Liang, Ms. Julie Yang, Ms. Wei Du, Ms. Xiji She, Ms. Li Sun and all other volunteers at CUHK and IBHE, for their dedicated efforts in arranging the local logistics of the event, and of course, thank you for your interest, paper contribution and/or participation at BHI 2012. The success of BHI 2012 relies on your efforts. Once again, thank you.

We hope you will find BHI 2012 a memorable event. Enjoy the conference and your time in Shenzhen!



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Conference Chair

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Paolo Bonato
Program Chair

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Morteza Naghavi
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