

# **Preface**

## **BMEI 2013**

Dear Delegates,

Welcome to the 2013 6<sup>th</sup> International Conference on Biomedical Engineering and Informatics (BMEI) held on December 16-18, 2013 in Hangzhou, China. On behalf of the BMEI 2013 Organizing Committee, we would like to thank you for your participation and hope you enjoyed the conference.

Since its inception in 2008, BMEI conference has been positioned uniquely in providing a platform bringing together researchers in biomedical engineering, informatics, and their cross-intersection to catalyze innovative research ideas and to disseminate new scientific discoveries. The nature of the research demands coloration in medicine, biology, physics, engineering, computer science, and statistics; and BMEI aims to expedite and strengthen the exploration and systemization of interdisciplinary knowledge.

BMEI 2013 promises to provide high scientific quality and broad impact featured by world-renowned scientists as keynote speakers, contributed talks at a competitive acceptance rate, conference proceedings to be submitted to IEEE Xplore, Ei Compendex and ISTP (ISI Proceedings), and the broad participation of research community serving on the Program Committee and the Organizing Committee. The conference program highlights three areas to provide breadth, depth, and synergy for state-of-the-art research: (1) Biomedical Engineering; (2) Bioinformatics, System Biology, and Medical Informatics; and (3) Informatics: fundamental technologies important to medicine and biology.

All the submitted manuscripts went through a rigorous review process. Each paper was assigned to at least three program committee members and reviewers. All the decisions on the papers were made from the weighted scoring and detailed review comments in the reviewing reports. Authors were strongly suggested to incorporate the reviewers' comments for the final draft submission. In addition to three keynote speeches, the conference features a Special Symposium on Health Informatics and two invited sessions on timely topics.

We wish to thank all the researchers who submitted papers and/or participated in the conference. Our deepest appreciations also go to the Program Committee and external reviewers who helped reviewing and selecting high quality papers, which has significantly improved the quality of this conference. We are grateful for the dedication and distinguished efforts from the Organizing Committee. Special thanks go to keynote speakers (Bruce Wheeler, C.T. Lin, and Bert Shi), Special Symposium organizer (Metin Akay), Special Symposium speakers (Y.T. Zhang and Fedor Lehocki), and Invited Session Organizers (Yen-Wei Chen and Xian Hua Han). Finally we would like to acknowledge the technical co-sponsorship from IEEE Engineering in Medicine and Biology Society and the supports from Hangzhou Normal University as an excellent local sponsor. Only with all these great continued supports, BMEI can sustain to be a premier international forum on cutting-edge biomedical engineering and informatics research.

**Editors: Jean X. Gao, Dongrong Xu, Xiaoyan Sun, and Yingfei Wu**