CALL FOR PAPERS

SCOPE OF CONFERENCE

It is our great pleasure to announce that the 14th IEEE International Conference on e-Health Networking, Application & Services (IEEE Healthcom2012) will be held in Beijing, the capital city of China, from Oct. 10 to Oct. 13, 2012. Beijing is an old city with the history of being capital for more than 800 years and a modernized international metropolis as well, hosting 2008 Olympic Games.

Healthcom 2012 is fully sponsored by the IEEE Communications Society. It aims at bringing together interested parties from around the world working in the health care field to exchange ideas, to discuss innovative and emerging solutions, and to develop collaborations. eHealth is defined as the cost-effective and secure use of information and communications technologies in support of health and the related fields, including health-care related services, surveillance, literature, education, knowledge, and research, both at the local site and at a distance. It will make personalized medicine possible and affordable in the near future. The adoption of eHealth technologies in medical fields creates huge opportunities yet lots of challenges still need to be resolved to build reliable, secure, and efficient networks or platforms with great flexibility.

TOPICS

Topics of interest include：

- Biomedical and biosensors engineering
- Body sensor networks and wearable sensor systems
- Clinical biofeedback, decision support systems, and tools
- eHealth information and network Infrastructure
- eHealth for public health (including disease prevention, emergency preparedness, epidemiologic interventions)
- eHealth for ageing (to support quality of life for older adults, aging in place and independence)
- Emerging eHealth applications
- Health grid and health cloud

- Health monitoring, traffic characterization, & management
- ICT-enabled personal health system
- Image and video processing on eHealth
- Network/Communications Infrastructures and Architectures for Healthcare
- New IT-enhanced Models for Healthcare delivery
- Pervasive and ubiquitous computing on eHealth
- Practical Applications of e-Health
- Security and privacy on eHealth
- Storage and Display Devices for eHealth
- Telemedicine and mobile telemedicine

Other Information:

- ➢ Conference Site: Beijing, China
- ➢ URL: http://www.ieee-healthcom.org

IMPORTANT DATES

Deadline for Paper Submissions:
April 30, 2012

Notification of Acceptance: June 30, 2012

Deadline for Author Registration: August 15, 2012

Deadline for Camera-ready Papers: August 31, 2012

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Workshops：

Note: An author of an accepted paper is required to register for the conference at the full (member or non-member) rate and the paper must be presented at the conference. Non-refundable registration fees must be paid prior to uploading the final IEEE formatted, publication-ready version of the paper. For authors with multiple accepted papers, one full registration is valid for up to 3 papers. Accepted and presented papers will be published in the IEEE Healthcom 2012 Conference Proceedings and in IEEE Xplore and indexed by EI.

Workshop I: Traditional Chinese Medicine

Traditional Chinese Medicine (TCM) is an important part of medical science in the world. Chinese Medicine is good at prevention and prediction of diseases. But the typical methods of TCM mostly rely on doctors' empirical experience, and a sophisticated collection of theories in a seemingly different paradigm from today's mainstream western medicine. This might greatly restrict its applications and promotions. The development of information technologies has promoted the development and applications of TCM. It is becoming a revolutionary research method and technology development for data collection and management, data mining and analysis. This workshop will bring together researchers all of world who are interested in TCM to share research results, advances and practical experience, with the focus on using information technologies to solve issues on TCM. Topics of interest include, but are not limited to:

- Modeling and Information standardization in TCM
- Information management and sharing in TCM hospitals
- Informationalization of health management and services in TCM
- Architecture of healthcare information system for TCM
- Development and applications of digital TCM techniques and equipments
- Methods of diagnosis and treatment evaluation system in TCM
- Prediction and monitoring modeling in TCM
- Data gathering techniques in TCM
- Analysis techniques for the clinical TCM data
- Information techniques for the evaluation of personalized TCM treatment

General Chair:

Prof. Baoyan LIU, China Academy of Chinese Medical Science

IMPORTANT DATES

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Workshop II: Industrial Applications and Services on eHealth

Information technologies are becoming an ever-increasingly important part in the healthcare industry. Many companies around the world have successfully developed proprietary systems, tools and devices for their targeted applications in eHealth. But from an industry point of view, technologies alone are not enough for a significant advancement in an emerging market. How to combine government, medical institutions、insurance and other healthcare service providers together is a challenging issue. In particular, how to provide eHealth services with new service models to special demographic people, such as aging, maternal and children, disabled and rural people, are especially challenging. The goal of this workshop is to bring industrial partners together to share their experiences and exchange ideas in their practice of providing eHealth services. Topics include, but not limited to:

- eHealth service models for aging, maternal and children, disabled, and rural people
- eHealth service deployment case study
- eHealth and the Internet-of-Things
- Person Health Records (PHRs) management and its applications
- Chronic disease management through eHealth
- Information sharing and interaction between different institutions, such as insurance, bank, government, hospitals for eHealth

General Chair:

Prof. Guixia KANG, Beijing University of Posts and Telecommunications, China

Local Chair:

Dr. Qiang GAO, IVT Software Technology Corporation, China

Dr. Zhong YU, Meridian Medical Network Corporation, China

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