Selected Areas in Communications Symposium
e-Health Track

Symposium Co-Chairs

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The 2015 IEEE International Conference on Communications (ICC) will be held in London, UK from 8-12 June 2015. Themed “Smart City & Smart World,” with its proximity to Tech City, the fastest growing technology cluster in Europe, this flagship conference of IEEE Communications Society will feature a comprehensive technical program including twelve Symposia and a number of Tutorials and Workshops. IEEE ICC 2015 will also include an exceptional Industry Forum & Exhibition program including business panels and keynote speakers. We invite you to submit your original technical papers, and industry forum, workshop, and tutorial proposals to this event. Accepted and presented papers will be published in the IEEE ICC 2015 Conference Proceedings and submitted for inclusion in IEEE Xplore®/IEEE Digital Library. Full details of submission procedures are available at http://www.ieee-icc.org/2015.

Scope and Topics of Interest

The e-Health SAC Symposium will focus on the advance in e-Health and medical communications. E-Health is defined as a cost-effective and secure use of information and communications technologies in the support of health and the related fields, including health-care related services, monitoring, knowledge and research as local and remote sites. ICT has recognized as one of the main technology that will help to develop cost-effective e-Health solution. However despite the huge progress that have been achieved many challenges still need to be solved in order to build effective and acceptable solutions.

To ensure complete coverage of the advances in this field, the e-Health SAC Symposium solicits original contributions in, but not limited to, the following topical areas:

- Telemedicine and mobile telemedicine
- Biomedical and biosensors engineering
- Sensing of vital signs and signatures
- Wearable medical wireless sensors
- Energy saving for long time monitoring
- In-Body medical sensors communications
- Molecular sensor communications
- E-Health-oriented software architectures (Agent, SOA, Middleware, etc.)
- Autonomic diagnosis and situation awareness (Fall, Activity, etc.)
- Context awareness and autonomous computing for AAL (Ambient Assisted Living)
- Health and wellness measurement, monitoring and intervention
- Security, trust and privacy
- Usability and acceptability
- Emerging e-Health applications
- Mobile and cloud computing for e-Health
- Health information systems and interoperability
- Social aspects of e-Health

Submission Guidelines

Prospective authors are invited to submit original technical papers by the deadline 15 October 2014 for publication in the IEEE ICC 2015 Conference Proceedings. All submissions should be written in English with a maximum paper length of Six (6) printed pages (10-point font) including figures without incurring additional page charges (maximum 1 additional page with over length page charge if accepted).

Standard IEEE Transactions templates for Microsoft Word or LaTeX formats found at
http://www.ieee.org/portal/pages/pubs/transactions/stylesheets.html

Alternatively you can follow the sample instructions in template.pdf at
http://www.comsoc.org/confs/globecom/2008/downloads/template.pdf

Only PDF files will be accepted for the review process and all submissions must be done through EDAS at
https://edas.info/newPaper.php?c=17729&track=57945

Co-Chairs Biographies

Hsi-Pin Ma received the B.S. and Ph.D. degrees in electrical engineering from National Taiwan University, Taiwan, in 1995 and 2002. At the summer of 2000, he interned at Siemens Telecommunication Systems Limited, for feasibility study and establishment of a dual-mode base station for WCDMA and cdma2000. Since 2003, he has been with the Department of Electrical Engineering/Institute of Communications Engineering, National Tsing Hua University, Hsinchu, Taiwan, where he is currently as Associate Professor. Dr. Ma's research interests include communications system design and SoC implementation, power efficient/energy efficient signal processing, and biomedical signal processing and system applications. He was the PI of three NSoC national programs (WCDMA/HSDPA, WiMAX, DVB-T/H), one Telecom. National program (Development of a MIMO-OFDM advanced platform), two MOEA projects (Wireless Testing/HOY, Low Power Cell Library/Starfish DSP) and many industry collaboration projects from Intel, MediaTek, Skymedi and ITRI. Recently, he has several NSC projects (PI/Co-PI) related to biomedical circuits and systems applications, including "Development of integrated electrophysiology instruments for basic research and biomedical uses", NPIE project "Patient-centric medical environment", NTHU-UC collaboration project "Molecular neuroscience: from basic research to translational development", and Taiwan-France collaboration project (TecSan) "Innovating technology to characterize balance loss in ecological setting of daily life: application to Parkinson' s disease (ECOTECH)". Dr. Ma has published 12 journal, 58 conferences papers, and 4 US patents and other international patents. He also participated in IEEE 802.16m standard contributions with ITRI and has submitted 15 contributions. He also has three cases of technology transfer to the industries. He is currently the TPC member for SPCE TC/e-Health TC, e-Health TC liaison in standard development board in IEEE ComSoc, TPC member for CASCOM TC in IEEE CASS, and TPC member for IEEE VLSI-DAT.