

5th International Symposium on Medical Information and Communication Technology 27-30 March, 2011, Montreux, Switzerland

5th International Symposium on Medical Information and Communication Technology

ISMICT
2011
Montreux
March 27-30, 2011



THIRD CALL FOR PAPERS

SCOPE

Medical Body Area Networks (MBAN) technology, applications and services are the focus of the Fifth International Symposium on Medical Information and Communication Technology (ISMICT) to be held in Montreux, Switzerland 27-30 March 2011. The theme of ISMICT 2011 is *Medical Body Area Networks Technology and Services for Personalized Medicine*. Papers are invited on topics including, but not limited to, the following:

- Antennas and propagation for wireless BAN
- BAN technology (radio, protocols, sensors)
- Cognitive radio for wireless BAN
- Cost effectiveness and business cases
- eHealth systems and electronic medical records
- Medical BAN applications and services
- Future BAN 2020 and beyond
- Hardware architecture and implementation
- Hospital data networks and wireless hospital
- Human and work flow factors
- Human body communication
- International standards and regulatory matters
- Medical imaging and patient diagnostic systems
- Physiological parameters, measurements
- Preventive care & remote patient management
- Personal Networks for eHealth
- Radio coexistence and robustness
- Security and privacy issues
- Smart textiles for wearable BAN
- Systems, sensing and signal processing
- Telemedicine, telemonitoring, telesurgery
- Wellness and sports training
- Rehabilitation and activity monitoring
- Wireless BAN (wearable and implantable)
- Wireless healthcare, homecare and welfare

PAPER SUBMISSION

ISMICT 2011 is co-sponsored by the IEEE CAS Society. Papers will be published and available by IEEEExplore. Authors are invited to submit full papers (www.ismict2011.org) no later than **5 November 2010** (*extended deadline*) in accordance with the following schedule

November 5, 2010	Paper submission deadline
December 17, 2010	Paper acceptance notice
January 28, 2011	Final paper due

ORGANIZATION

International Advisory Board:

Allen Huang, MD, McGill University & MUHC, CA
Prof. Dr. Mohanmad Sawan, Polytechnique Montreal, CA
Prof. Bernard Segal, McGill Uni., Jewish General Hospital, CA
Prof. Christian Lovis, MD MPH, Clinical Informatics, HUG, CH
Mr. Ari Pouttu, Lic. Tech., CWC, University of Oulu, FI
Prof. Ryuji Kohno, YNU and NICT, JP
Dr. Saad Mezzour, Chair ETSI eHealth, Medtronic, NL
Prof. ChingYao Huang, National Chiao Tung University, TW
Dr. Art Astrin, Chair IEEE802.15.6, US

General Co-Chairs:

Dr. John Farserotu, CSEM, CH
Prof. Ryuji Kohno, YNU and NICT, JP
Prof. Jari Linatti, CWC, University of Oulu, FI

Honorary Chairs:

Prof. Dr. Christian Enz, CSEM, CH
Prof. Dr. Giovanni De Micheli, EPFL, CH

Technical Program Committee Co-Chairs:

Prof. Dr. Sandro Carrara, EPFL, CH
Dr. Huan-Bang Li, NICT, JP

Organizers:

The Swiss Center for Electronics and Microtechnology (CSEM) together with the Ecole Polytechnique Fédérale de Lausanne (EPFL) and the National Institute of Information and Communications Technology (NICT) welcome you to ISMICT 2011, Montreux, Switzerland. We encourage you to join us for what we believe will be a highly informative and fruitful conference.

NETWORK & EXHIBIT

ISMICT 2011 will bring together top international clinicians, engineers and researchers providing excellent networking opportunities. Companies, universities, research groups and healthcare institutions will present their latest research results, products and ideas in the form of demonstrations or posters in the exhibition area.

KEYNOTE & INVITED SPEAKERS

Please check back frequently for news about our insightful and thought-provoking keynote and invited speakers (www.ismict2011.org).

csem

EPFL
ÉCOLE POLYTECHNIQUE
FÉDÉRALE DE LAUSANNE

NICT National Institute of
Information and
Communications
Technology

IEEE
Advancing Technology
for Humanity

CAS
IEEE CIRCUITS AND SYSTEMS SOCIETY