



Special Sessions within the framework of the International ICST Conference on Wireless Mobile Communication and Healthcare 18-20 October, 2010, Ayia Napa, Cyprus

Steering Committee

Imrich Chlamtac (*Chair*), CREATE-NET, EU
James C. Lin, UIC, USA
Janet Lin, UIC, USA
Arye Nehorai, WUSTL, USA
Konstantina S. Nikita, NTUA, Greece
George Papadopoulos, UCY, Cyprus

General Chair

James C. Lin, UIC, USA

Technical Program Chair

Konstantina S. Nikita, NTUA, Greece

Technical Program Committee

Konstantina S. Nikita (*Chair*), NTUA, Greece
Robert Allen, Univ. of Southampton, UK
Pantelis Angelidis, UoWM, Greece
Paolo Bernardi, UniRoma, Italy
Nikolaos Bourbakis, Wright SU, USA
Gouenou Coatrieux, ENST, France
Thomas Falck, Philips, The Netherlands
Dimitrios Fotiadis, UoI, Greece
Osamu Fujiwara, NITECH, Japan
Maysam Ghovanloo, GaTech, USA
Robert Istepanian, Kingston Univ., UK
Irene Karanasiou, NTUA, Greece
Mohan Karunanithi, AEHRC, Australia
Ilkka Korhonen, VTT, Finland
Stavros Koulouridis, Univ. of Patras, Greece
Luis Kun, NDU, USA
Niels Kuster, IT'IS, ETHZ, Switzerland
Efthymoulos Kyriakou, Frederick Univ., Cyprus
Norbert Leitgeb, TU Graz, Austria
James C. Lin, UIC, USA
Janet Lin, UIC, USA
Dimitrios Lymberopoulos, UPatras, Greece
Ilias Maglogiannis, UCG, Greece
Garik Markarian, Lancaster, UK
Arye Nehorai, WUSTL, USA
George Papadopoulos, UCY, Cyprus
Constantinos Pattichis, UCY, Cyprus
Agnette Peralta, DOH, Philippines
Nada Philip, Kingston Univ., UK
Andriana Prentza, Univ. of Piraeus, Greece
Laura Roa, US, Spain
Georgios Sakas, Fraunhofer IGD, Germany
Dan Schonfeld, UIC, USA
Min-Yi Shih, POC, USA
Koichi Shimizu, Hokudai, Japan
Toshiyo Tamura, Chiba, Japan
Paula de Toledo, UC3M, Spain
Manolis Tsiknakis, ICS – Forth, Greece
Thanos Vasilakos, UWM, Greece
Dimitrios Vergados, Univ. of Piraeus, Greece
Jianqing Wang, NITech, Japan
Ouri Wolfson, UIC, USA
Yuan-Ting Zhang, CUHK, Hong Kong

We invite researchers, academicians, practitioners, and others to submit original papers describing new research, applications or case studies to the following Special Sessions which are organized within the framework of the International ICST Conference on Wireless Mobile Communication and Healthcare - MobiHealth 2010 (www.mobihealth.name):

- **Intelligent eHealth monitoring.**
The Session intends to explore systems that can be used for monitoring of a patient during an emergency event. The systems could be used for several types of emergency events like Cardiovascular problems (e.g. heart attacks, strokes), or major trauma cases (e.g. serious injuries of the head or the spinal cord).
- **Ubiquitous Healthcare.**
The Session intends to study the simultaneous use of multiple implantable and on-body sensors to continuously monitor a patient's physical and mental condition and their integration with environmental sensors for improved monitoring.
- **Interoperability in eHealth.**
The Session intends to investigate eHealth interoperability in Europe addressing the basic components (identification, security, legal, organizational, technical and semantic interoperability), the current challenges, directions, and recommendations, and to present an eHealth interoperability framework.
- **Ambient Assistive Technologies for Intelligent Healthcare Services.**
The Session intends to study ambient technologies for intelligent healthcare services, pervasive healthcare technologies and applications, services' personalisation and management in assisted living environments, intelligent interactive services environment for assisted living.
- **Mobile Health Technologies, Applications and Integrated Systems for Chronic Disease Monitoring and Management.**
The Session intends to present recent advances in mobile health technologies which support the patient, the caregiver and the treating physicians as well as applications for chronic disease monitoring and management.
- **Wireless Medical Implants.**
The Session intends to explore wireless medical implanted devices working either as sensors or stimulators and address issues related to low power consumption of the implant, high quality bidirectional data transmission between the implant (patient) and exterior equipment (caregivers) and patient safety.
- **Wearable Devices. On body Wireless Communications.**
The Session intends to study the design of wearable antennas and sensors and their integration into Wireless Body Area Networks (WBANs) and solve the issues of body and device interference, transmission and reception characteristics and network integration.

Special Sessions Call for Papers

Detailed information on the Special Sessions can be found in: www.mobihealth.name/specialsessions.shtml

Paper Submission

The preferred length for initial submission is **4 pages**, however the length of final paper should not exceed 8 pages including all figures, tables and references. Extra pages will incur additional charges. Please follow the regular submission guidelines of MobiHealth 2010 found in www.mobihealth.name/submission.shtml and submit your paper under the "MobiHealth-Invited" track of the MobiHealth 2010 conference.

Publication

The Proceedings of Mobihealth 2010 will be published in LNICTS, appear in SpringerLink and will be referenced in ICST's digital library, the European Union Digital Library (EUDL). Extended versions of selected papers of the conference will be invited for publication in journal special issues (SCI Indexed).

Student Paper Awards

Best student papers will be identified by the reviewers based on their relevance, content, significance, originality, presentation and overall recommendation. First, second and third place winners will be acknowledged with a MobiHealth 2010 Best Student Paper Certificate.

For conference planning purposes, please inform the TPC Chair and/or the Session Organizers on your intention to submit a paper to the Special Sessions, the soonest possible.

Special Session Paper submission : 30 June 2010
Acceptance notification : 30 July 2010
Camera ready paper : 25 August 2010

