

MobileHealth 2012 Program

8:00 AM Registration Open

8:45 AM - 9:00 AM MobileHealth'12 Welcoming

9:00 AM - 10:00 AM

Keynote speech: The Challenges and the Opportunities in Wireless Health.

Speaker: Prof. Roozbeh Jafari – University of Texas at Dallas – USA.

Session Chair: Anis Laouiti – Telecom SudParis - France

10:00 AM - 10:30 AM Coffee Break

10:30 AM – 12:00 AM

Session 1: Mobile Health Monitoring Systems Architecture

Session Chair: Saadi Boudjit - University of Paris 13 - France.

- **iEpi: An End to End Solution for Collecting, Conditioning and Utilizing Epidemiologically Relevant Data.**
M. Hashemian, Dylan Knowles, Jonathan Calver, Weicheng Qian, Michael C Bullock, Nathaniel Osgood, Kevin Stanley (University of Saskatchewan, Canada);
Scott Bell (Department of Geography and Planning, Canada)
Regan L Mandryk (Dalhousie University, Canada)
- **e-ESAS: Improving Quality of Life for Breast Cancer Patients in Developing Countries.**
Ferdous Kawsar, Munirul Haque, Mohammad Adibuzzaman, Sheikh Iqbal Ahamed, Md Uddin (Marquette University, USA).
- **Mobile Healthcare Infrastructure for Home & Small Clinic.**
Avik Ghose, Chirabrata Bhaumik, Diptesh Das, Amit Agrawal (Tata Consultancy Services Ltd, India).

12:00 AM - 1:30 PM Lunch Break

1:30 PM - 2:30 PM

Session 2: Algorithms and Mobile Applications for Healthcare

Session Chair: Emmanuel Baccelli – INRIA – France

- **Low-Power Fall Detection in Home-based Environments.**
Ren Lingmey (Tongji University - China)
Quan Zhang (Tongji University - China)
Weisong Shi (Wayne State University, USA)
- **Ultraviolet Guardian - Real Time Ultraviolet Monitoring.**
Matthews Jerrid, Farnoosh Javadi, Gauresh Rane, Jason Zheng, Giovanni Pau, Mario Gerla (University Of California, Los Angeles - USA).
- **Clinical Quality Guaranteed Physiological Data Compression in Mobile Health Monitoring.**
Sungwon Yang, Jihyong Kim, Mario Gerla (University of California at Los Angeles, USA);

2:30 PM - 3:30 PM

Session 3: Communication Architecture and Data Management

Session Chair: Matthias Waehlich - Freie Universitaet Berlin – Germany

- Performance Evaluation of Data Intensive Mobile Healthcare Test-Bed in a 4G Environment.
Debopam Acharya (NIIT University, INDIA);
Vijay Kumar (University of Missouri Kansas City, USA);
Hyo-Joo Han (Georgia Southern University);
- Efficient Delivery of Frequent Small Data for U-Healthcare Applications Over LTE-Advanced Networks.
Revak R. Tyagi (Arizona State University, USA)
Ki-Dong Lee (LG Electronics Mobile Research)
Frank Aurzada (Technical University Berlin, Germany)
Martin Reisslein (Arizona State University, USA)
- Inkjet-Printed Monopole Antennas for Enhanced-Range WBAN and Wearable Biomonitoring Application.
Sangkil Kim, Manos M. Tentzeris (Georgia Institute of Technology, USA)
Yoshihiro Kawahara (University of Tokyo, Japan)

3:30 PM - 3:45 PM Coffee Break.

SESP 2012 Program

3:45 PM - 4:00 PM Welcome to SESP'12

4:00 PM - 5:00 PM

Keynote speech: Current and Future Challenges of Trustworthy Sensor Networks.

Speaker: Dennis Gessner – NEC – Germany.

5:00 PM - 6:00 PM

Session: Sensor-Enhanced Safety and Security in Public Spaces

Session Chair: Thomas C. Schmidt – Hamburg University of Applied Sciences – Germany

- Intruder Detection in Public Space using Suspicious Behavior Phenomena and Wireless Sensor Networks.
Snigdha Bandari, Shan Suthakaran (University of North Carolina - USA)
- Wireless Sensor Networks in Emergency Scenarios: The FeuerWhere Deployment.
Heiko Will, Thomas Hillebrandt, Marcel Kyas (Freie Universitaet Berlin - Germany).