

MobileHealth 2013 Program

July 29th, 2013 - Bangalore – India

8:00 AM Registration Open

8:45 AM - 9:00 AM MobileHealth'13 Welcoming

9:00 AM - 10:00 AM

Keynote speech 1: Wireless Network Technologies for Monitoring Human Health.

Speaker: Prof. Dharma Agrawal – University of Cincinnati – USA.

Session Chair: S. Boudjit, University of Paris 13, France.

10:00 AM - 10:30 AM Coffee Break

10:30 AM – 12:00 AM

Session 1: Security and data compression algorithms for medical data transmission

Session Chair: S. Boudjit, University of Paris 13, France.

- An improved data security using dna sequencing.

N. Kar, A. Majumder, A. Saha (National Institute of Technology Agartala - India)

- Secured wireless medical data transmission using modified elliptic curve cryptography.

S.K. Ghosh, A. Jamthe, S. Chakraborty, D.P. Agrawal (University Of Cincinnati - USA).

- Efficient health data compression on mobile devices.

A. Pande, Eilwoo Baik, P. Mohapatra (University of California, Davis, USA)

12:00 AM - 1:30 PM Lunch Break

1:30 PM - 2:30 PM

Keynote speech 2: Semiconductor technology for mobile health – Future in sensors and imaging to help you make the right decisions.

Speaker: Dr. Prasanth Perugupalli – IMEC research labs – India.

Session Chair: A. Laouiti, Telecom SudParis, France.

2:30 PM - 3:30 PM

Session 2: Architecture and protocols design for wireless health sensors

Session Chair: A. Laouiti, Telecom SudParis, France.

- New priority Mac protocol for wireless body area networks.

N. Bradai, L. Chaari (Univesity of Sfax, Tunisia)

S. Boudjit (University of Paris 13, France)

L. Kamoun (University of Sfax, Tunisia)

- Esther: a portable sensor toolkit to collect and monitor total hip replacement patient data.

J.J. Garcia, N.R. Herrera (Delft university of technology, The Netherlands)

S. Boerema (Roessingh Research and Development, The Netherlands)

D.V. Keyson (ID-StudioLab, TU Delft, The Netherlands)

P. Havinga (University of Twente, The Netherlands)

3:30 PM - 4:00 PM Coffee Break.

4:00 PM - 5:30 PM

Session 3: Algorithms and mobile applications for healthcare

Session Chair: Z. Charbiwala, IBM Research, India.

- A conceptual framework for designing mHealth solutions for developing countries.
S. Mburu (University of Nairobi, Kenya)
E. Franz, T. Springer (Technische Universität Dresden, Germany)
- Safer virtual pillbox: assuring medication adherence to elderly patients.
F. Botella, F. Borras, J.J. Mira (Miguel Hernandez University of Elche, Spain)
- A robust heart rate detection using smart-phone video.
A. Pal, A. Sinha, A.D. Choudhury, T. Chattopadhyay, A. Visvanathan (Tata consultancy services, India)

5:30 PM - 6:00 PM Discussion and next steps