First ACM MobiHoc Workshop on Pervasive Wireless Healthcare
In Conjunction With MobiHoc 2011 Conference

MobileHealth Paris, May 16, 2011

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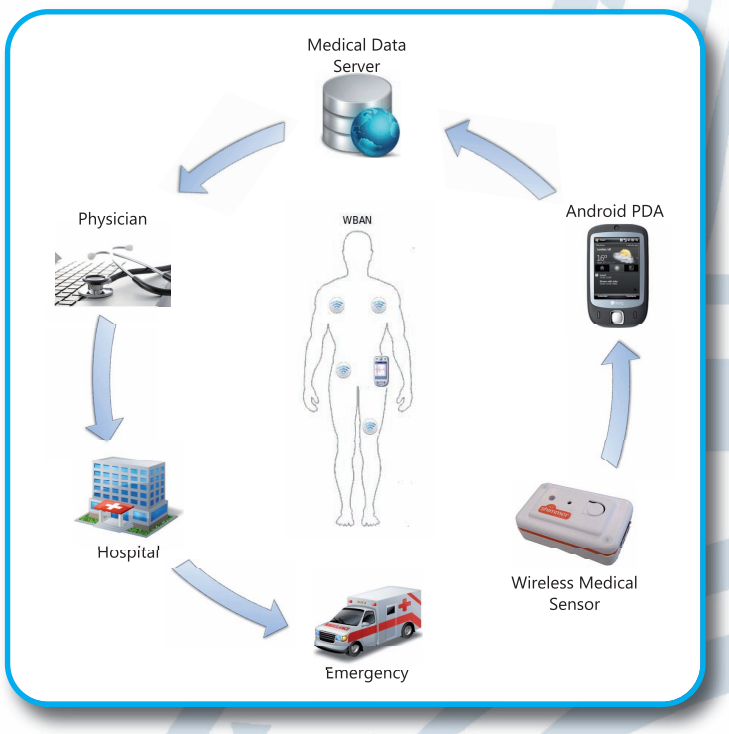
Overview

Recent Advances in technology has led to the development of small, intelligent, wearable sensors capable of remotely performing critical health monitoring tasks and then transmitting patient's data back to health care centers over wireless medium. Such wireless health monitoring platforms aim to continuously monitor mobile patients needing permanent surveillance. However, to set up such platforms several issues along the communication chain should be resolved. The acquisition of medical information via a set of wearable wireless sensors, the treatment and use of this information either by a local contractor equipment or offset in a data server, the access to the collected data, ...etc. are some of the important challenges that we have to consider. Each level represents a fairly complex subsystem with a local hierarchy employed to ensure efficiency, portability, security, and reduced cost.

Objectives

MobileHealth 2011 aims at providing a forum for practitioners and researchers from Academia, research labs and industry to interact and exchange experiences about theoretical and practical aspects of wireless healthcare networking and systems. It would be an important chance to discuss and understand what aspects have to be considered to provide effective pervasive wireless healthcare systems.



Areas of interest

- *Mobile devices for healthcare*
- *Wearable and Implantable Wireless sensors for healthcare*
- *Communications infrastructure for mobile healthcare apps*
- *Protocols for wireless healthcare*
- *Scalability, performance and reliability of mobile healthcare apps*
- *Pervasive Wireless communications in healthcare*
- *Service and device discovery*
- *Data fusion and context elaboration*
- *Wireless monitoring and ambient assisted applications for healthcare*
- *Energy Efficiency in Wireless health monitoring*
- *Pervasive Health Systems and Services*
- *Authentication and Sensors' monitoring*
- *Confidentiality and Data Security*
- *Mobile Interfaces for Data Visualization*
- *Realizations and Platforms*
- *Standards for mobile healthcare*

www-l2ti.univ-paris13.fr/~MobileHealth/

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