

Mobiquitous 2009  
[www.mobiquitous.org](http://www.mobiquitous.org)

Workshop on  
**Ubiquitous Mobile Healthcare Applications**

The promise of the mobile device to deliver healthcare applications anywhere and anytime is beginning to be realized. Several established companies and start-ups have started offering a range of healthcare applications for smart phones (e.g., Apple iPhone, Google Android, Nokia N-series...). Typically, existing mobile healthcare applications address areas such as: communications (e.g., reminders, scheduling, emergency calling); wellness-related and disease management applications (e.g., heart monitoring, blood sugar monitoring); access to Web/mobile portals containing medical information and personal health information storage and management.

Although there has been significant progress in these areas, the full capabilities available from the mobile device and its surrounding infrastructure (e.g., the “cloud”, specific apps middleware, device resident camera, audio recording, etc) are not fully utilized. In this workshop which is part of the Mobiquitous 2009 conference ([www.mobiquitous.org](http://www.mobiquitous.org)) we will focus on pushing the envelope in the area of providing mobile computing for healthcare applications.

We are seeking original, previously unpublished papers addressing ubiquitous mobile healthcare applications. All submissions will be judged by their technical merit and relevance to the workshop, based on a thorough review process by the Technical Program Committee.

Theme and Topics of Interest include but are not limited to:

- Novel concepts and use cases for mobile healthcare apps
- Mobile devices for healthcare
- Healthcare sensors and networks of sensor
- Communications and computing infrastructure for mobile healthcare apps
- Cross over of web 2.0 and mobile 2.0 apps to the healthcare apps
- Intelligent systems including mobile agents and policy engines
- Scalability, performance and reliability of mobile healthcare apps
- User interface and usability aspects of mobile healthcare apps
- “Healthcare Grade” security and privacy
- Standards for mobile healthcare

In order to ensure a high quality technical session, submitted papers should have a length of about six pages and must cover one of the topics listed above, or a closely-related one. Furthermore, we will prioritize experience papers describing lessons learnt from built systems, including information about approaches that did and did not work, unexpected results, common abstractions, and metrics for evaluating ubiquitous mobile healthcare applications. We plan to encourage discussions based on the presented papers and to come up with a list of requirements for next generation systems.

**General Co-Chairs:**

Shoshana Loeb, PhD, Applied Research, Telcordia Technologies, USA,

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Professor Ignas Niemegeers, Chairman telecommunications Department, Faculty of EEMCS

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**Important Dates:**

Paper submission: ~~May 1, 2009~~ **May 6, 2009**

Notification of acceptance: May 22, 2009

Camera-ready version due: June 10, 2009

**Conference dates: July 13 – 16, 2009**

Please submit papers to Shoshana Loeb, [shoshi@research.telcordia.com](mailto:shoshi@research.telcordia.com)

**Technical Program Committee:**

Doreen Cheng, Samsung, USA,

George Collier, Telcordia Technologies, USA,

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Brian Gould, The Information Advantage Group, USA,

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Vinay Kolar, RWTH Aachen, Germany,

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Peter Nurse, Sigma Delta, Canada,

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