



## 2nd International Workshop on Connecting Health: Using IT to Assist Patient Recovery Thursday 31 July, 2008 Hong Kong

Various aspects of Information Technology can be used for assisting with patient's recovery after undergoing a surgical operation, ranging from telemedicine networks for patient monitoring to involvements of biocompatibility and biomaterials used for filling or blocking lumens and voids of a patient. "ConnectingHealth" has the primary objective of "connecting" healthcare professionals and resources together, thereby effectively utilizing available resources for helping patients get through their recovery process after surgery. The workshop is aimed at providing tutorials and technical papers on Pervasive Computing and Healthcare with an emphasis on assisting remote patient monitoring with advanced technologies.

We are soliciting full papers in all research areas on patient monitoring applications. Topics of interest include, but not limited to:

### I. Telemedicine Symposium

3G/4G Systems and Telemedicine	RFID and healthcare
Wireless indoor & home networks for patient recovery monitoring	Waveband switching
Wireless networks including IEEE 802.11, 15, and 16	Wireless emergency systems
Ultra Wideband (UWB) Networks	High-speed switch and router architectures
Cellular mobile/WLAN interoperability supporting on-scene paramedics	Network control and management, GMPLS
Resource management	Optical CDMA
Space-time processing, MIMO systems	MAC protocols with QoS support
Economics and business issues related to healthcare support	Traffic analysis, traffic engineering, and traffic shaping
	Transmission of medical images
	Heterogeneous biosensor networks

### II. Information Technology in Biomaterials

Computational modeling	Analytical and simulation techniques
Polymer toxicology	Adhesion barriers and surgical sealants
Tissue banking	IT related to prosthetic and orthotic design

### III. Healthcare Enterprise Systems

Healthcare system architecture and standards	Biotelemetry and wireless sensing
System design, optimization, and integration	Mobile and wearable medical devices
Quality-of-Service support	Biosensors design and implementation
Security and Privacy	Healthcare and patient telemonitoring systems
Medical data storage	Grid Computing for healthcare
Database management	Medical imaging: capturing and processing
Scalability of medical enterprise systems	Multimedia and ultrasound systems

All submitted papers will go through a peer review process. All accepted papers will be included in the Qshine 2008 Conference Proceedings. All accepted papers will be made available in, Association for Computing Machinery (ACM) Digital Library and then be indexed by Engineering Information (EI). Selected papers from Qshine 2008 will also be recommended to a special issue of a top journal. Please visit the Publications page for more information.

Research papers of particular merit will be selected for consideration of fast track publication in a ACM/Springer Mobile Networks and Applications (approved). Moreover, some selected papers will be considered for publication in special issue on "Heterogeneous Networking for Quality, Reliability, Security, and Robustness" of Elsevier Computer Communications.

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#### Dates for Conference Papers

Full Papers due:	<b>April 14, 2008</b>	Notification of Acceptance:	<b>May 15, 2008</b>
Camera-ready Manuscripts due:	<b>June 1, 2008</b>	Workshop Date:	<b>July 31, 2008</b>

#### Exhibits and Sponsorship Opportunities

For information on exhibit space or sponsorship opportunities, please contact:  
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