

Call for Papers

WiBAN 2012

International Workshop on Wireless Body Area Networks for mHealth

in conjunction with
The International Conference on Computing, Networking and Communications
(ICNC 2012)

Maui, Hawaii, USA
January 30 - February 2, 2012

Website: <http://www.engr.siu.edu/wiban>

Scope

The increase in average lifespan and healthcare costs have ushered in a wave of innovation in healthcare. These factors along with the advances in miniaturization of electronic devices, sensing, battery and wireless communication technologies have led to the development of Wireless Body Area Networks (WBANs). WBANs consist of miniaturized computing devices (motes) that are able to gather, process and wirelessly transmit sensed data. To gather sensing data they can be attached on the outside (to clothes being worn) or implanted in the human body. They are designed such that they can monitor physiological signals and transmit these to specialized medical servers in an unobtrusive manner to the patient.

There are many aspects of WBANs that are still at infancy in the development phase. The purpose of this workshop is to provide a venue for the sharing and distribution of research ideas and results concerned with all aspects of WBANs for medical applications.

Topics of Interest

All submissions must describe original research, not published or currently under review for another workshop, conference, or journal. The work can be the development of new algorithms, techniques, models, position papers or case studies. Research ideas at an early stage of development are particularly welcomed.

The workshop program invites papers on various aspects of WBAN for Healthcare including, but not limited to, the following:

- Security & Privacy
- Trust
- System Architecture
- Monitoring
- Power Harvesting & Power Efficiency

- Communication Protocols
- Reliability and self-healing
- Availability
- Performance Evaluation
- Laws, ethics, and policy relating to medical data privacy

Important Dates:

Paper submission deadline: July 31, 2011

Notification of acceptance: Sept. 30, 2011

Registration & camera-ready paper due: Oct. 20, 2011

Submission Guidelines

For authors: Please follow the author instructions at <http://www.engr.siu.edu/wiban>

Workshop Organizers

General Chairs

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TBA