The 5th Annual International Conference on Body Area Networks

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BodyNets 2010

September 10-12, 2010
Corfu Island, Greece
http://www.bodynets.org
Call For Papers

BodyNets 2010 is technically co-sponsored by IEEE Engineering in Medicine and Biology Society (IEEE EMBS), and is organized in cooperation with ACM SIGCHI. The conference proceedings will be archived in the ACM Digital Library.

SCOPE:
Recent advances in the field of wireless sensor networks have moved them beyond their traditional areas of application in monitoring of remote and mobile environments. Sensor networks are increasingly being deployed within and around the human body to form Body Area Networks (BodyNets). In addition to monitoring focused applications BodyNets allow also for closed loop systems incorporating actuators. They can be utilized in diverse applications such as physiological monitoring, human computer interactions, education and entertainment through interactive games. This conference will explore and explain the scope and challenges of designing, building, and deploying BodyNets. In this regard, the conference aims to establish a forum to bring together research professionals from diverse fields including computer science, biomedical engineering and medicine in both academia and industry to address the technical, social, system and application issues related to BodyNets.

TOPICS:
The conference invites original technical papers that were not previously published and are not currently under review for publication elsewhere. Topics include, but are not limited to:

1. Communications and Networking:
- In-body, on-body, and around body networks
- Communication techniques and protocols for BodyNets
- Scalable, flexible network architectures & deployments
- Networking and security issues for BodyNets
- Advanced propagation and channel model for BodyNets

2. Medical applications:
- Pervasive health care and patient monitoring
- Integrating BodyNets into the healthcare system
- Novel closed-loop applications of BodyNets

3. Systems and Technology:
- System design issues, and performance modeling
- Signal processing, reliability and fault-tolerance issues
- Emerging self-powered BodyNets
- Novel wireless communication technologies

4. Wearable computing:
- Wearable system design issues
- Entertainment and lifestyle applications
- Assistive technologies for independent aging
- Interactive Arts

PAPER SUBMISSIONS:
Authors are invited to submit full papers of up to 7 pages for full papers, 4 pages for short papers, posters and demos, in ACM Proceedings format (7"x9" print area, single spaced, double column, 9-pt font size). ACM's LaTex and MS WORD templates are located at: http://www.acm.org/sigs/publications/proceedings-templates. Authors should apply ACM Computing Classification categories and terms. The templates provide space for this indexing and point authors to the Computing Classification Scheme at: http://www.acm.org/about/class/1998. Please see http://www.bodynets.org/submission.shtm for details.

IMPORTANT DATES:

Full Paper Deadline: March 31, 2010 (extended)
Author Notification: May 21, 2010
Camera Ready: June 21, 2010