

BodyNets 2008

Third International Conference on Body Area Networks

Sponsors:



Call for Papers:

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 at the surface of the human body to form Body Area Networks (BodyNets). BodyNets allow for unidirectional (monitoring) and even bidirectional (effector) interactions. 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, systems and application issues related to BodyNets.

Topics of Interest:

- **BodyNets Systems and Technology**
 - Novel communication techniques and protocols
 - In-vivo, on-body, near-body networks
 - Performance modeling
 - System design issues
 - Powering
 - Reliability and fault-tolerance
 - Security and privacy, including HIPAA for medical applications
- **HCI/Wearable computing**
 - Social impacts
 - Usability
 - Brain Computer Interactions
 - Wearable system design issues
 - Entertainment
 - Assistive Technology (for aging and disabled)
- **Medical applications**
 - Pervasive health care and patient monitoring
 - within hospitals and other healthcare delivery settings
 - in residential and other non healthcare delivery settings
 - BodyNets for Prosthetics
 - Novel medical applications of BodyNets

Submission Instructions:

Authors are invited to submit full papers of up to 8 pages, short papers of up to 4 pages, and poster paper up to 2 pages, in ACM conference proceedings format through COCUS (<http://cocus.create-net.it>). Please refer to the website for more detailed information. The proceedings of the conference will be listed in the ACM Digital Library.

March 13 – March 15, 2008

Tempe, Arizona, USA

<http://www.bodynets.org/>

Important Dates:

Abstract Due: 22 October, 2007 (11:59 PDT)
Full Paper Due: 29 October, 2007 (11:59 PDT)
Notification: 21 December, 2007
Camera Ready: 21 January, 2008

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