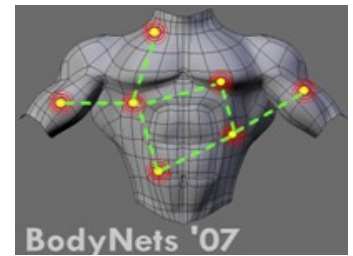


BodyNets 2007

2nd International Conference on Body Area Networks



Jointly sponsored by:



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11-13 June, 2007, Florence (Italy)

www.bodynets.org

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CALL FOR PAPERS

With recent advances in Wireless Sensor Networks (WSNs), their practical applications in general sensing and monitoring are rapidly broadening. Although originally conceived for wide area environment or process monitoring, WSNs are increasingly being used in human computer interaction, brain computer interaction, gaming, and interactive digital arts, as well as in healthcare and patient monitoring. Despite the recent technological developments in sensing, embedded electronics, and sensor networking, several challenging issues need to be addressed. In particular, technological scaling, wireless communication and networking, sensor data processing and presentation are key aspects that need to be investigated in an integrated fashion for enabling visionary applications in the above areas of WSN. The aim of this conference is to bring researchers in WSN to address the following technical and application issues:

Body Area Networks and Human Computer Interaction

- Interactive Virtual Reality and Gaming
- Entertainment

Body Area Networks and Brain Computer Interaction

- Invasive BCI
- Non-invasive BCI

Wireless Communication and Networking Protocols:

- "In-body" networks
- "Near-body" networks

Applications

- WSN based Interactive Digital Art
- Ambient intelligence
- Smart Spaces, Personalization
- Healthcare and patient monitoring

Server side information processing:

- Data querying
- Event detection, classification, tracking

Middleware

Quality of service, security and fault-tolerance issues

Enabling technologies:

- Novel sensors and materials
- Transceivers
- Microcontrollers
- Hardware platform

In Network information processing:

- Data aggregation and fusion algorithms

Tools and test beds

Performance evaluation

Internetworking with heterogeneous networks

Important Dates

Full paper due:

February 5, 2007

Notification of

acceptance: March 12, 2007

Final version due:

April 11, 2007

Submission Instructions:

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