

Venue

BSN 2007 will be held at RWTH Aachen University, which is the largest university of technology in Germany and one of the most renowned technical universities in Europe.

The city of Aachen is the westernmost town in Germany, located at the borders to Belgium and the Netherlands. Due to its location, it is regarded as Germany's most international town or "the Gateway to Europe". The historic centre of town is a colourful mix of people and languages, where older citizens, young students and visitors mingle and enjoy the lively atmosphere.



Organizing Committee

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<http://bsn2007.rwth-aachen.de>



**4th Int. IEEE Workshop on
Wearable and Implantable
Body Sensor Networks**

March 26th - 28th, 2007
RWTH Aachen University, Germany

**RWTHAACHEN
UNIVERSITY**

PHILIPS

<http://bsn2007.rwth-aachen.de>

Objectives

The last decade has witnessed a rapid surge of interest in new sensing and monitoring devices for health-care and the use of wearable/wireless devices for clinical applications. One key development in the last decade is the introduction of implantable, in-vivo monitoring and intervention devices for everyday healthcare.

The aim of this workshop is to address general issues relating to wearable/wireless and implantable sensors and bring together leading scientists from computing, bio-technology, engineering and medicine to discuss the latest technical developments and highlight novel clinical applications of body-sensor networks.

BSN 2007 is the fourth in the series of successful workshops launched three years ago at Imperial College in London. After the event was hosted by MIT in Boston last time, the next meeting is held back in Europe and for the first time organized jointly with academia and industry.

Areas of interest (but not limited to)

- Novel bioelectrical, biophysical and mechanical sensors
- Hardware considerations for BSN, including: low power RF transceiver, energy scavenging, battery technology, miniaturization and system integration
- Wearable, implantable and ambient sensors
- Biocompatibility and materials
- Context awareness and multi-sensor data fusion for BSN
- Ensuring quality of service in BSN
- Security issues for BSN
- Wireless body sensor networking
- Usage concepts for BSN
- Standards and light-weight communication protocols for BSN
- Links from BSN to environment sensors, smart dwellings, ambient health sensors and home monitoring
- Wearable and implantable sensor integration and development platforms
- Wearable bio-motion sensors
- Clinical applications of BSN



IMPORTANT DATES

2006

21st July

First call for papers

30th September

Second call for papers

10th November

Paper submission deadline

7th December

Notification of acceptance

2007

12th January

Final submission copy due