



Body Sensor Networks Conference

Student Paper Competition Winners

Congratulations!

**CILLIAN BUCKLEY, IRELAND - MONITORED MOVEMENT
CLASSIFICATION**

SARA AMENDOLA, ITALY - NOVEL SENSORS



The 14th Annual Body Sensor Networks Conference was held last week at the Philips headquarters in Eindhoven, The Netherlands. Conference attendees enjoyed a robust program that included exciting keynote speakers, informative workshops, outstanding student presentations, and an intimate setting for valuable networking. Special congratulations to the winners of the student paper competition, Sara Amendola from the University of Rome Ter Vergata in Italy, and Cillian Buckley from University College Dublin, Ireland.

Sara's paper, "Reliability of a Reusable Wireless Epidermal Temperature Sensor in Real Conditions," was presented during the Novel Sensors technical session. Cillian's paper, "The Binary Classification of Running Fatigue Using a Single Inertial Measurement Unit," was presented during the technical session on Monitored Movement Classification.

We're all looking forward to next year's meeting and hope you'll join us for #BSN18!



The 2017 conference will be held in:

The High Tech Campus

High Tech Campus 1

5656 AE Eindhoven – The Netherlands

May 9-12, 2017

Welcome to the 14th International Conference on Wearable and Implantable Body Sensor Networks (BSN2017) website. Wearable biosensors are becoming increasingly pervasive. Although many of these devices currently target the consumer market, the potential for medical-grade sensors is increasingly evident. Body sensor networks increase the opportunity to measure physiology and behaviour outside the clinical setting. Means of communication, on-chip and off-line data processing and proper modelling turn these measurements into useful information.

Current BSN applications range from performance monitoring and enhancement in athletes, soldiers, and first responders to assistive technologies that improve quality of life in chronic diseases such as hypertension, cardiac failure, COPD, kidney failure, diabetes, Parkinson's Disease, dementia and others. Additionally, the opportunity to change the conduct of clinical trials and basic chronic disease management is compelling.

The High Tech Campus in Eindhoven, the Netherlands, is a unique biotope for close academic/private partnerships and a major industrial hub in Western Europe. Hence, the role of industry as a technological driver of BSN developments and the interaction with the clinical community is a major focus of this year's conference.

The 14th International Conference on Wearable and Implantable Body Sensor Networks (BSN2017) wishes to accompany the ongoing BSN research efforts and to offer a forum for discussion of key issues, new directions and innovative solutions for sensor and systems development, data management and interpretation, and communications. This meeting will highlight:

- development of new wearable systems including smart textiles and minimally invasive sensors
- technical developments in the area of low power electronics, energy harvesting and miniaturization
- interaction of body-worn sensors with indoors measurement systems integrated into items of daily life (like chairs, seats, beds, etc.)

- health and performance monitoring applications such as energy balance, hydration status, movement analysis, etc.
- strategies for human and animal behavioral monitoring including mood state, cognitive status, vigilance, and sleep quality
- clinical applications to improve objective health assessments, remote telemedical assessments, and everyday health status monitoring and systems that enhance patient self management and quality of life
- characterizing quality of data and regulatory compliance requirements for medical management applications
- wearable data security and privacy considerations
- next generation body powered, nanosensors, and minimally invasive implantable measurement systems
- development of new and improvements of existing implants including the connection of these to external body sensor networks

Exhibitors



Technical Sponsors



Student Awards



From Left to right: Marian Walter, Student Colloquium Chair, Martin O'Reilly, Award Winner, Steffen Leonhardt, Conference Co-Chair, Melissa Berthelot, Award Winner

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⚠ NEW! - NUTRITION AND DIETARY MONITORING WORKSHOP - POSTER ABSTRACT SUBMISSIONS
 POSTER ABSTRACT DUE: APRIL 9, 2017
 NOTIFICATION: APRIL 14, 2017

[CLICK HERE](#)

Important Dates

Late-breaking Research Abstracts & Demonstrations

Submission Due	20 Mar 2017 12 midnight (EST)
Decision Notification	3 Apr 2017
Final Paper Submission	5 Apr 2017

Workshops/Tutorials

Proposals Due	9 Jan 2017
Decision Notification	30 Jan 2017

Full Papers

Submission Due	4 Feb 2017 6 Feb 2017 12 midnight (EST)
Decision Notification	1 Mar 2017
Final Paper Submission	1 Apr 2017

Registration

Early Registration Deadline	15 Apr 2017
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Keynote & Plenary Speakers



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