CALL FOR PAPERS

9th International Conference on Body Area Networks

BODYNETS 2014

29 September - 1 October 2014

London, Great Britain


SCOPE

BodyNets 2014 aims to provide a world-leading and unique opportunity for bringing together researchers and practitioners from diverse disciplines to plan, analyze, design, build, deploy and experiment with/on body area networks (BANs).

KEYNOTE SPEAKERS

Guang-Zhong Yang (Imperial College London)
Antonio Liotta (Technische Universiteit Eindhoven)
Mischa Dohler (King's College London)

TOPICS

We are soliciting high-quality original papers in the following topics (but not limited to):

1. Wearable Computing
   - Ambient intelligence
   - Pervasive user interface
   - Context and situation awareness
   - Augmented reality
   - Sensory augmentation
   - Motion detection and activity recognition
   - User modeling and personalization

2. Embedded Devices and Medical Applications
   - High-confidence medical devices
   - Integration of medical devices with healthcare systems
   - Medical device plug-and-play
   - Assistive technologies for independent aging
   - Pervasive health care and patient monitoring
   - New medical diagnostics and treatments
   - Ambient assisted living
   - Virtual hospitals

3. Communications and Networking
   - Various types of BANs; e.g., in-body, on-body and around-body networks
   - Signal/information processing and communication models in BANs
   - BAN architectures and protocols
   - Power-efficient communications
   - Wireless energy transfer
   - Delay-tolerance, fault-tolerance and reliability in BANs
   - Cloud computing and BANs
   - Cognitive networks for medical bands

4. Systems and Applications
   - Sensing and actuation in BANs
   - Software engineering and systems engineering for BANs
   - Modeling, simulations and empirical experiments
   - Design and performance issues
   - Tools, testbeds and deployment issues
   - Wireless-to-bio interface/transduction
   - Standardization

Application domains include, but not limited to, biomedical engineering, computer vision, defense, entertainment (e.g., computer games), human computer interaction, industrial design, interactive arts, Internet of things, logistics and transportation, smart buildings, physiological monitoring, prosthetics, robotics, smart garments, sports science, and vehicular networks.

In addition to the main track that covers general/mainstream topics, the BodyNets 2014 technical program will feature a series of special tracks and a couple of workshops that will focus on specific/emerging topics.

WORKSHOP PROPOSALS

A proposal to organize a workshop should include the following information: (1) the title of the workshop, (2) name, affiliation and biographies of the organizer, (3) an abstract of no more than one page describing the aims of the workshop and the motivation for holding it and participating to it (target audience), (4) a workshop chair and a tentative list of participants / speakers, (5) the expected duration of the workshop, (6) a draft CFP of the workshop.

Important dates

Regular paper submission: June 1, 2014
Short, poster and demo paper submission: July 1, 2014
Notification for regular papers: June 30, 2014
Notification for short/poster/demo papers: July 15, 2014
Camera ready due: July 31, 2014

ORGANIZING COMMITTEE

General Chair
Giancarlo Fortino, University of Calabria, Italy

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Conference Coordinator
Ruzanna Najaryan, EAI, Italy
CALL FOR SPECIAL TRACKS PAPERS

In addition to the regular track that covers general/mainstream topics, BodyNets 2014 features several special tracks that focus on specific, emerging or underrepresented topics. All special track papers will be peer-reviewed with the same criteria and quality standard used in the regular track. All accepted special track papers will be included as conference papers in the proceedings.

Electromagnetic-Body Area NanoNETworks (E-BANNET), chaired by Valeria Loscri (INRIA Lille-Nord Europe, France), Anna Maria Vegni (University of Roma Tre, Italy), Sara Pizzi (University Mediterranea of Reggio Calabria, Italy), Josep Miquel Jornet (The State University of New York at Buffalo, USA), and Massimiliano Pierobon (University of Nebraska-Lincoln, USA)

UNconventional Intrabody Communication (UNIC), chaired by Laura Galluccio (University of Catania, Italy), Tommaso Melodia (State University of New York, USA), Enrico Natalizio (Université de Technologie de Compiègne, France)

Technologies and Applications for Telerehabilitation (TAT), chaired by Laura Contin (Telecom Italia, Italy), Roberto Nerino (CNR-IEIIT, Italy), and Angelo Maria Sabatini (Scuola Superiore Sant’Anna, Italy)

Privacy, Security and Trust in Body Area Networks (PSTBAN), chaired by Shucheng Yu (University of Arkansas at Little Rock, USA) and Xiaodong Lin (University of Ontario Institute of Technology, Canada)

For more information please visit http://bodynets.org/2014/show/wip-papers

PAPER SUBMISSION

Authors are invited to submit papers in the following categories:

* Regular papers: Up to 7 pages
* Short papers: Up to 4 pages
* Poster and demo papers: Up to 1 page

Papers must follow the ACM conference paper format. Please visit http://bodynets.org/2014/show/initial-submission for detailed submission instructions. The authors of regular and short papers will deliver oral presentations. The authors of poster/demo papers will deliver posters and/or system demonstrations.

PUBLICATION

All accepted paper will be published by ACM. Selected papers will be considered for publication in leading ISI-impact journals.

Proceedings will be submitted for indexing by Google Scholar, ISI, EI Compendex, Scopus and many more.

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