Call for Papers
Special Track on ETSI Smart Body Area Networks (SmartBAN) in the IoT and M2M
Co-located with the
13th International Conference on Body Area Networks (BodyNets-2018)
October 2-3, 2018
Oulu, Finland

SmartBAN is a European Telecommunications Standards Institute (ETSI) Technical Committee (TC). SmartBAN is responsible for the development of ETSI standards, specifications and reports etc. supporting SmartBAN technologies in e.g. health, wellness, sport, smart living and other application domains. It covers communication and associated physical layer, network layer, security, QoS and also provision of generic applications and services (e.g. web) for standardisation in the area of BAN technologies. SmartBAN takes a comprehensive view from PHY/MAC to higher layer system aspects (e.g. heterogeneity management, data transfer, coexistence, interaction).

The primary goal of this special track is to explore the current status of the SmartBAN standardization and future developments of SmartBAN in the context of the emerging Internet of Things (IoT) and machine-to-Machine (M2M) communication. The call covers all aspects of SmartBAN from radio, protocol and devices to security, privacy and trust and machine learning.

This special session solicits original unpublished contributions on the following areas:
- SmartBAN system, architecture and requirements
- Channel modelling for SmartBAN
- Coexistence of SmartBAN in the IoT
- SmartBAN physical layer (e.g. 2.4 GHz, IR-UWB, wearable and implantable)
- Low power SmartBAN Medium Access Control (MAC) layer
- SmartBAN networks and heterogeneity
- Semantic interoperability
- Machine learning for SmartBAN and interaction in smart environments
- Solutions for security, privacy and trust
- Applications of SmartBAN (e.g. health, sports, smart work and living for the elderly, assisted living)
- Test and demonstration

SmartBAN is supported by the Hermes Partnership, a network of leading institutes in wireless and IoT networks in Europe

Names of the organizers and their contact information:
Dr. John Farserotu (john.farserotu@csem.ch)
Important Dates:
Paper submission deadline: May 7th, 2018
Acceptance Notification: June 30th, 2018
Camera Ready Papers Due: September 2nd, 2018
Submission Instructions:
Please see http://bodynets.org/initial-submission/ for paper formatting and submission instructions.