



CALL FOR PAPERS

IoT-Health 2020: Third International Workshop on IoT Enabling Technologies in Healthcare, June 11, Dublin, Ireland

The Internet of Things (IoT) has numerous applications in healthcare, from smart wearable or implantable sensors to remote monitoring of elderly, medical device networking, and in general creating a healthcare network infrastructure. IoT has the potential to create a pervasive environment for monitoring patient health and safety as well as improving how physicians deliver care. It can also boost patient engagement and satisfaction by allowing them to spend more time in the comfort of their residence and interact with their care centers whenever needed. A significant driver for the IoT-Health market is the increasing penetration of connected devices in healthcare. Wearable sensors have received a remarkable growth in recent years; however, a pervasive IoT-Health infrastructure is still long way from commercialization. The end-to-end health data connectivity involves the development of many technologies that should enable reliable and location-agnostic communication between a patient and a healthcare provider. IoT-Health workshop aims to focus on the design, development, performance evaluation and experimentation of IoT enabling technologies in healthcare applications.

Submission Deadline: January 27, 2020

Submission Link: TBD

Topics of Interest

Body Area Networks	Security and privacy in IoT-health
Channel Modeling & RF Propagation Studies	IoT-Health Standardization activities
Human Body Communication (HBC)	IoT-Health for livestock and pets
Interference analysis & mitigation for IoT-health devices	Interoperable & connected medical devices
Coexistence issues for IoT-Health devices	Smart Pills & precision drug delivery
PHY, MAC and Networking issues for IoT-Health	Wireless capsule endoscopy
Reliability and QoS in IoT-health	Energy harvesting Technology for IoT health
Energy efficiency for wearable & implanted medical devices	Activity monitoring for health and well-being
Antennas for wearable & implantable sensors	IoT-Health testbeds & experimental results
SAR Evaluation	WAN technology for remote monitoring & telemedicine
	Patient tracking & localization technology
	Smart textile for IoT-health

Organizers

Kamran Sayrafian (National Institute of Standards & Technology, USA)

Hamed Ahmadi (University of Essex, UK)

Konstantinos Katzis (European University Cyprus, Cyprus)

Slawomir J. Ambroziak (Gdansk University of Technology, Poland)