



Sustainable Communications for Renaissance

## Call for Papers

### IoT-Health 2023: 5th International Workshop on IoT Enabling Technologies in Healthcare

#### SCOPE

The Internet of Things (IoT) has numerous applications in healthcare. From smart wearables, implants and ingestible electronics that can monitor physiological signals to the development of a healthcare data infrastructure, IoT has the potential to create a pervasive environment for monitoring patients' health and safety as well as improving how physicians deliver care. Using this technology 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 a long way from commercialization. The end-to-end health data connectivity involves further development of many technologies that should enable reliable and location-agnostic communication between a patient and a healthcare provider. The IoT-Health workshop aims to focus on the design, development, performance evaluation and experimentation of IoT enabling technologies in healthcare applications.

#### TOPICS OF INTEREST

We seek original completed and unpublished work not currently under review by any other journal/ magazine/conference. Topics of interest include, but are not limited to:

- Body Area Networks
- IoT for Remote Health Monitoring
- Interference Analysis & Mitigation for IoT-health Devices
- Coexistence Issues for IoT-Health Devices
- PHY, MAC and Networking Issues for IoT-Health
- Reliability and QoS in IoT-Health
- Energy Efficiency for Wearable & Implanted Medical Devices
- Antennas for Wearable & Implantable Sensors
- SAR Evaluation
- Smart Textile for IoT-Health
- Security and Privacy in IoT-health
- IoT-Health Standardization Activities
- IoT-Health for Livestock and Pets
- Interoperable & Connected Medical Devices
- Smart Pills & Precision Drug Delivery
- Wireless Capsule Endoscopy
- Energy Harvesting Technology for IoT-health
- Channel Modeling & RF Propagation Studies
- Human Body Communication (HBC)
- IoT-Health Testbeds & Experimental Results
- WAN technology for IoT-Health
- Patient Tracking & Localization Technology
- Activity Monitoring & Measurement
- IoT Technologies for Contact Tracing
- IoT-Health Solutions to Fight Pandemic

#### PAPER SUBMISSION

All papers for Workshops should be submitted via EDAS.

Full instructions on how to submit papers are provided on the IEEE ICC 2023 website:

<https://icc2023.ieee-icc.org/>



# INTERACT

**WORKSHOP CO-CHAIRS****Kamran Sayrafian**

National Institute of Standards &amp; Technology, USA

**Hamed Ahmadi**

University of York, UK

**Konstantinos Katzis**

European University Cyprus, CY

**Slawomir Ambroziak**

Gdansk University of Technology, PL

**MAIN CONTACT****Kamran Sayrafian**[ksayrafian@nist.gov](mailto:ksayrafian@nist.gov)**IMPORTANT DATES****Paper Submission Deadline:**

20 January 2023

**Paper Acceptance Notification:**

6 March 2023

**Camera Ready and Registration for accepted papers:**

15 March 2023

**WEBPAGE LINK**[icc2023.ieee-icc.org](http://icc2023.ieee-icc.org)