

IEEE International Workshop on Internet of Mobile Things (IoMT)

June 14–18, 2021
Montreal, Canada



General Co-chairs

Hossein Anisi
University of Essex, UK

Sherali Zeadally
University of Kentucky,
USA.

Rizwan Asghar
The University of Auckland,
New Zealand.

Main contact

Hossein Anisi
m.anisi@essex.ac.uk

Important Dates

- ❖ Paper submission deadline:
January 20, 2021
- ❖ Notification of acceptance:
February 20, 2021
- ❖ Camera-ready papers:
March 1, 2021

Submission link

<https://edas.info/newPaper.php?c=27574&track=102891>

Webpage link

<https://icc2021.ieee-icc.org/workshop/ws-13-2nd-workshop-internet-mobile-things-iomt>

Scope

The Internet of Things (IoT) is fundamentally changing the world by enabling multiple devices to communicate and exchange data with each other. Recently, the idea of connecting mobile things (MTs) has given rise to the emergence of 'Internet of Mobile Things' (IoMT). These MTs such as unmanned aerial vehicles (UAVs), vehicles and robots equipped with antenna and sensors can be used as mobile sinks to collect data from remotely deployed IoT devices or can act as a communication bridge. Also, people equipped with their wearable devices could be considered as another class of moving thing providing/receiving services to/from the IoMT. A collection of MTs can form an ad-hoc mobile wireless network and provides the required services. Such networks can cover a wider area while devices connected to the network collaborate with each other to carry out complex missions. However, there are several issues that need to be addressed for the effective employment of multiple MTs for IoT applications including but not limited to: dynamic and intelligent management of the IoT sensors and devices on the ground, limited power of IoT devices and MTs, privacy and security in the IoMT, communication between IoT devices and MTs, communication between MTs, connectivity of the MTs and coverage of the region of interest. Due to the dynamic nature of the aforementioned issues, supporting these related factors becomes a challenging task. Hence, there is a need to develop novel techniques to manage and optimize real-time operations of these communication platforms. This workshop aims at bringing together scholars from academia and industry to discuss and present the latest research results and findings on all the aspects of IoMT.

Topics

We seek original completed and unpublished work not currently under review by any other journal/magazine/conference.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:

- Network modelling and performance evaluations of IoMT
- Security and privacy for IoMT
- Cloud/edge/fog computing in IoMT
- Machine learning techniques for IoMT
- Software-defined network (SDN) for IoMT
- Energy harvesting and power management in IoMT
- Mobility models for MTs
- Communication architectures for IoMT
- Robustness and reliability of MTs
- Spectrum management for IoMT
- Connectivity and coverage of IoMT
- Localization and positioning of IoMT
- Novel applications of IoMT
- Sensing and actuation in IoMT

Paper Submission

The workshop accepts only novel, previously unpublished papers. The page length limit for all initial submissions for review is SIX (6) printed pages (10-point font) and must be written in English. All final submissions of accepted papers must be written in English with a maximum paper length of six (6) printed pages (10-point font) including figures. No more than one (1) additional printed page (10-point font) may be included in final submissions and the extra page (the 7th page) will incur an over length page charge of USD100. For more information, please see IEEE ICC 2021 official website: <https://icc2021.ieee-icc.org/authors>