

## Call for Papers

### Special Session: Cloud and IoT paradigms in eHealth (HealthIoT)

#### Overview

Evolving from a network of interconnected computers and networking devices, the Internet is increasingly being approached as the Internet of Everything capturing the interconnections of devices with diverse characteristics, services offerings and data flows (e.g. smart-phones and tablets, wearable devices, sensor networks, cameras, vehicles, etc.). In this context, Internet of Things (IoT) is evolving into a platform of platforms, consisting of a plethora of networked devices, infrastructures and supporting systems of systems, addressing various application domains, with electronic healthcare being one of them.

This special session offers the opportunity to present recent results concerning the design, development, implementation and deployment of **Cloud Infrastructures and IoT** in different areas relating to **electronic healthcare**.

#### Topics

The special session aims to support research and innovation on IoT based ehealth systems and especially in:

- Wearable Systems
- Medical and Sensor Data Processing
- Machine Learning in eHealth
- Emerging eHealth IoT Applications
- Network Communications for Healthcare Applications
- Quantified Self Technologies and Applications
- Intelligent Data Processing and Predictive Algorithms in eHealth
- Smart Homes and Assistive Environments
- Data Mining of Health Data on the Cloud
- Security, Safety and Privacy in eHealth and IoT
- Interoperability and Standardization Issues in IoT and eHealth

#### Contribution Types

Proposals for participation in the Special Session can be submitted in the following formats:

- Full Paper (min. 10 max. 12 pages). These include mainly accomplished research results.
- Short Paper (min. 6 max. 8 pages). These are mostly composed of work in progress reports or fresh developments.

All submissions will be peer-reviewed by at least two reviewers. All accepted papers will be included in the conference proceedings, provided at least one author pays the registration fee. The conference proceedings will be published as IMCL2017 Proceedings in the Springer series "[Advances in Intelligent Systems and Computing](#)".

For further questions, please contact the track chair(s).

#### Important Dates

08 Sep 2017    Submission of complete papers for special sessions

29 Sep 2017 Notification of acceptance  
20 Oct 2017 Author registration deadline  
27 Oct 2017 Camera-ready due  
30 Nov 2017 Conference Opening

### **Submission**

Please visit: <https://www.conftool.net/imcl-conference/> and submit your paper as in the special session **“Cloud and IoT paradigms in eHealth (HealthIoT)”**

### **Chairs of the session:**

Ilias Maglogiannis University of Piraeus ([imaglo@unipi.gr](mailto:imaglo@unipi.gr))

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