Workshop on IoT in Healthcare: Technologies, Applications and Security (HTAS’20)  
(in conjunction with Global IoT Summit 2020)

**Organizing Committee**

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**Paper Submission Guidelines**  
All final submissions should be written in English with a maximum paper length of six (6) printed pages see web conference for instructions. Papers must be submitted through EDAS.  

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**Important Dates**  
Deadline for paper submission: February 16th, 2020  
Acceptance Notification: March 20th, 2020  
Camera-Ready Submission: April 20th, 2020

**Call for Papers**

Healthcare is a key sector for IoT applications. IoT-based monitoring of care is a single factor that promises extensive benefits from near error-free diagnosis, early-warnings, and increasing longevity and quality-of-life; these while reducing costs. From a systems perspective, such benefits can accrue from building and interfacing systems across functional units of care domains. The complexity of building such a system is high and increases with the requirement for security. Security itself encompasses data privacy, secure transfers, secure storage and access. Regulations such as the GDPR could tend to curb data exchanges without contractual agreements.

This workshop intends to explore means of integrating IoT-based technologies, applications with security to enable building IoT-based systems that can effectively service the requirements of Smart Cities and Smart Citizens. The workshop will include keynotes, three topical parallel sessions, a poster session (implementations) and a discussion panel.

The technical topics of interest include, but are not limited to:

**IoT Healthcare Technologies**  
- Self-Care and Wellness  
- Critical Care  
- Ambulatory Care  
- Healthcare Data Management  
- Connected Healthcare Enablers  
- Technologies for Rural Healthcare  
- Mobile Body Area Networks

**Data Networking for IoT in Healthcare**  
- Large scale deployments using 6LoWPAN  
- Deterministic performance and latency guarantee for short-range wireless networks  
- LPWAN use cases in healthcare applications  
- Multi-homed networking for long range applications  
- Tactile applications over 5G access networks

**IoT Healthcare Applications**  
- Wearables, IoT Garments  
- In-Hospital Applications (Patient-location and tracking, Asset-tracking, ICU applications etc.)  
- Diagnostic Applications (Remote Diagnostics, portable diagnostic devices/kits, performance/accuracy, etc.)  
- Sports and Physiotherapy (real-time monitoring and tracking, accuracy and reliability, under-water monitoring, etc.)

**Security in IoT Healthcare**  
- Data Privacy (Control and regulation of access, electronic contracts, data traceability, Impact of GDPR, etc.)  
- Medical Device Security (Physical security, operational security, tamper resistance, Interference resilience, etc.)  
- Wearables Security  
- Blockchain Models for Health Data