



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

<b>Organizing Committee</b>	<b>Call for Papers</b>
<p><b>Workshop General Chairs:</b>            Dr. Chitra Balakrishna, Open University, UK            Blaine Price, Prof., Open University, UK            Gopi Garge, SmartLancs Ltd, UK</p>	<p>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; all of 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.</p> <p>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.</p> <p>The technical topics of interest include, but are not limited to:</p>
<b>Technical Program Committee</b>	<p><b>IoT HealthCare Technologies &amp; Systems</b> for</p> <ul style="list-style-type: none"> <li>• Self-Care and Wellness</li> <li>• Chronic Illnesses</li> <li>• Critical Care</li> <li>• Ambulatory Care</li> <li>• Healthcare Data Management</li> <li>• Connected Healthcare Enablers</li> <li>• Technologies for Rural Healthcare</li> <li>• Mobile Body Area Networks</li> </ul>
<p><b>Blaine Price, Prof.</b>, Open University, UK  <b>Ciprian Dobre, Dr.</b>, University Politehnica of Bucharest, Romania  <b>Daniel Gutiérrez Reina, Dr.</b>, University of Seville,  <b>Federico Barrero, Prof.</b>, Universidad de Sevilla, Spain,  <b>Hissam Tawfik, Prof.</b>, Leeds-Beckett University, UK  <b>Jerry Luo, Dr.</b>, Cranfield University, UK,  <b>Kheddouci Hamamache, Prof.</b>, Lyon 1, France,  <b>Elizabeth Rendon-Morales, Dr.</b>, Sussex University, UK  <b>Martin Randles, Dr.</b>, LJMU, UK  <b>Quang Huy Nguyen, LJMU, UK</b>  <b>Rodrigo Amador Aviles-Espinosa, Dr.</b>, Sussex University, UK  <b>Venkat Sastry, Prof.</b>, Cranfield University, UK  <b>Wael Al-Madeny, Dr.</b>, University of Bahrain, Bahrain  <b>Amhmed Bhih, LJMU, UK</b>  <b>Bharat Penumathsa, Dr.</b>, Ignatia Sensors Ltd., UK</p>	<p><b>IoT Healthcare Applications</b></p> <ul style="list-style-type: none"> <li>• Wearables</li> <li>• IoT Garments</li> <li>• In-Hospital Applications (Patient-location and tracking, Asset-tracking, ICU applications etc.)</li> <li>• Diagnostic Applications (Remote Diagnostics, portable diagnostic devices/kits, performance/accuracy, etc.)</li> <li>• Sports and Physiotherapy (real-time monitoring and tracking, accuracy and reliability, under-water monitoring, etc.)</li> </ul>
<b>Important Dates</b>	<p><b>Security in IoT Healthcare</b></p> <ul style="list-style-type: none"> <li>• Data Privacy (Control and regulation of access, electronic contracts, data traceability, Impact of GDPR, etc.)</li> <li>• Medical Device Security (Physical security, operational security, tamper resistance, Interference resilience, etc.)</li> <li>• IPv6, in context</li> <li>• Wearables Security</li> <li>• Encryption</li> <li>• Blockchain Models for Health Data</li> </ul>
<p>Deadline for paper submission: <b>March 15, 2020</b>            Acceptance Notification: April 15, 2020            Camera-Ready Submission: April 30, 2020</p>	
<b>Paper Submission Guidelines</b>	
<p>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.</p> <p>"IEEE reserves the right to exclude a paper from distribution after the conference, including IEEE Xplore® Digital Library, if the paper is not presented by the author at the conference."</p>	