

**1st ACM International Workshop on Technology Enablers and Innovative Applications  
for Smart Cities  
(ACM TESCA – 2019)**

to be held in conjunction with

**The 6th ACM International Conference on Systems for Energy-Efficient Buildings, Cities, and  
Transportation (ACM BuildSys 2019)**

Columbia University, New York

**Program Schedule ( 10th November, 2019)**

**Venue: Seeley W. Mudd Building (Mudd),  
500 W 120th St, New York, NY 10027, United States  
Full Day Workshop**

<b>Time /Duration</b>	<b>Events</b>
<b>8:30 - 9:00</b>	<b>Registration</b>
<b>9:00 - 9:20</b>	<b>Welcome and Inauguration address</b>
9:30 - 10:00	<b>Fractal IoT: A Scalable IoT Framework for Energy Management in Connected Buildings</b>  A. S. M. Ramesh, A. Devidas, A. K (Amrita Vishwa Vidyapeetham)
10:00 - 10:30	<b>Exploring Privacy Breaches and Mitigation Strategies of Occupancy Sensors in Smart Buildings</b>  P. Lee (Honeywell ), E. Shin (University of California, Irvine), V. Guralnik (Resideo), S. Mehrotra (University of California, Irvine), N. Venkatasubramanian (University of California, Irvine), K. Smith (Tridium)
<b>10:30 - 10:45</b>	<b>Morning Break</b>
10:45 - 11:00	<b>Decentralized Power System and Future Mobility: The Use Cases of Community Driven Electric Vehicle Charging Infrastructure</b>  Sai Shibu N B, Balamurugan S, Arjun D, Nidhin Mahesh A  (Amrita Vishwa Vidyapeetham)
11:00 - 11:15	<b>Utilizing Opportunistic Social Networks for Remote Patient Monitoring in Rural Areas</b>  E. Max-Onakpoya, O. Madamori, C. Baker (University of Kentucky, Lexington)

11:15 - 12:15	<b>Keynote Address</b>
12:15 - 13:30	<b>Lunch</b>
13:30 - 14:00	<b>Analyzing Public Transportation Offer wrt Mobility Demand</b> A. Arman, P. Bellini, P. Nesi, M. Paolucci (DINFO, University of Florence)
14:00 - 14:30	<b>An Interoperable Reservation System for Public Electric Vehicle Charging Stations: A Case Study in Germany</b> R. Basmadjian (University of Passau Passau), B. Kirpes (University of Mannheim), J. Mrkos (Czech Technical University in Prague), M. Cuchy (Czech Technical University in Prague), S. Rastegar (University of Passau)
14:30 - 15:00	<b>SWAM: A Novel Smart Waste Management Approach for Businesses using IoT</b> S. Faye, F. Melakessou, W. Mtalaa, P. Gautier, N. AlNaffakh, D. Khadraoui (Luxembourg Institute of Science and Technology (LIST))
15:00 - 15:15	<b>Tea/Coffee Break</b>
15:15 - 15:30	<b>CHARS: a Cultural Heritage Adaptive Recommender System</b> F. Colace, M. De Santo, M. Lombardi, D. Santaniello (University of Salerno)
15:30 - 15:45	<b>School-driven mobiquitous invisible paths for smart territories (JMAGINE project)</b> Greg Galli (Tokidev), Yasmin Mosbah, Rémi Felin, Benoît Montorsi (MBDS innovation lab., MIAGE, Université Côte d'Azur), Serge Miranda (LSIS research lab., Université d'Aix Marseille)
15:45 - 17:15	<b>Round Table: Innovative Applications for Smart Territories and Communities</b>
	<ul style="list-style-type: none"> <li>• <b><i>CIVITAX: Improving local revenue mobilization capacity and civic engagement through data-driven SMART City strategy</i></b></li> </ul>

	<p>Kurt Jean Charles (Solutions, Haïti)  Tayana Etienne (State University, HAITI)</p> <p><b>Unique Requirements and Challenges in Designing Smart Community: Integration of Participatory Approaches, Systems and Solutions Using IoT &amp; AI</b></p> <p><b>Dr Maneesha V Ramesh (Amrita Vishwa Vidyapeetham, India)</b></p> <ul style="list-style-type: none"> <li>• <b><i>Resilient data collection for air quality monitoring in developing cities</i></b>  Prof. Yusuf Sarwar  ( University of Missouri, Kansas City, USA)</li> <li>• <b><i>Raspberry Shake: How Citizen Scientists are Shaking up Traditional Earthquake Monitoring in smart territories</i></b>  Branden Christensen  (Raspberrysake, Panama) <b>(on Skype)</b></li> <li>• <b><i>Selecting the right IoT technologies to build a connected bus shelter for Smart Cities</i></b>  Pr Samad Rostampour and Ygal Bendavid  (UQAM, Quebec, Canada) <b>(on Skype)</b></li> </ul>
<b>17:15 - 17:45</b>	<b>Conclusion and closing session</b>