

**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**

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

11:15 - 12:15	Keynote Address
12:15 - 13:30	Lunch
13:30 - 14:00	Analyzing Public Transportation Offer wrt Mobility Demand A. Arman, P. Bellini, P. Nesi, M. Paolucci (DINFO, University of Florence)
14:00 - 14:30	An Interoperable Reservation System for Public Electric Vehicle Charging Stations: A Case Study in Germany 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	SWAM: A Novel Smart Waste Management Approach for Businesses using IoT S. Faye, F. Melakessou, W. Mtalaa, P. Gautier, N. AlNaffakh, D. Khadraoui (Luxembourg Institute of Science and Technology (LIST))
15:00 - 15:15	Tea/Coffee Break
15:15 - 15:30	CHARS: a Cultural Heritage Adaptive Recommender System F. Colace, M. De Santo, M. Lombardi, D. Santaniello (University of Salerno)
15:30 - 15:45	School-driven mobiquitous invisible paths for smart territories (JMAGINE project) 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	Round Table: Innovative Applications for Smart Territories and Communities
	<ul style="list-style-type: none"> • <i>CIVITAX: Improving local revenue mobilization capacity and civic engagement through data-driven SMART City strategy</i>

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