SMARTCOMP 2019 WORKSHOP PROGRAM	
Time	**Wednesday, 12 June 2019**
07:30 - 08:30	Registration
09:00 - 10:00	**Commom Keynote (SmartSys, BITS, SSC) (Room: Eisenhower)**
10:00 - 10:30	Coffee Break
08:30 - 17:00	Big Data and IoT Security in Smart Computing (Room: Stars & Stripes) Distributed Analytics Infrastructure and Algorithms for Multi-Organization Federations (Room: Patton) Smart Service Systems (Room: MacArthur) Sensors and Smart Cities (Room: Eisenhower A) Students' Workshop on Smart Computing (Room: Eisenhower B)
15:30 - 17:00	**COMMON PANEL:** How to Build Smart and Connected Communities: Challenges and Approaches - **Moderator:** Dr. Gurdip Singh, Syracuse University, Panellists: Nalini Venkatasubramanian (UC Irvine), Ben Levine (Metrolab Network), Meghan Houghton (NSF), Antonio Puliafito (University of Messina, Italy) (Room : Eisenhower Ballroom)
17:00 - 19:00	Ph.D. Forum, Poster, WIP, and Demo Sessions (Pentagon Ballroom)
17:00 - 19:00	Joint IEEE SMARTCOMP and IEEE WoWMoM Welcome Reception

SMARTCOMP 2019 MAIN PROGRAM		
Time	**Thursday, 13 June 2019**	
07:30 - 08:30	Registration	
08:30 - 09:00	Opening Remarks (Room: Pentagon Ballroom)	
09:00 - 10:00	**Keynote 1: Dr. Dinesh Verma (IBM Fellow, Distributed AI)** *Distributed AI for Intelligence at the Edge* (*Session Chair: Dr. Sajal K. Das (Missouri University of Science and Technology, USA)* (Room: Pentagon Ballroom)	
10:00 - 10:30	Coffee Break	
10:30 - 12:00	**Session 1: Best Paper Session** (Room: Pentagon Ballroom) (*Session Chair: Raghu Ganti, IBM T. J. Watson Research Center, USA & Julie McCann, Imperial College London, UK*) Sanchita Basak, Saptarshi Sengupta and Abhishek Dubey. Mechanisms for Integrated Feature Normalization and Remaining Useful Life Estimation Using LSTMs Applied to Hard-Disks Ajay Pratap, Ragini Gupta, Venkata Sriram Siddhardh Nadendla and Sajal K. Das. On Maximizing Task Throughput in IoT-enabled 5G Networks under Latency and Bandwidth Constraints Benedetto Girgenti, Pericle Perazzo, Carlo Vallati, Francesca Righetti, Gianluca Dini and Giuseppe Anastasi. On the Feasibility of Attribute-Based Encryption on constrained IoT devices	
12:00 - 13:00	Lunch	
13:00 - 15:00	**Session 2A: Deep Learning** (*Session Chair: Nirmalya Roy, University of Maryland Baltimore County, USA*) (Room: Pentagon Ballroom) Prince Abudu and Andrew Markham. **Distributed Communicating Neural Network Architecture for Smart Environments** Fabrizio De Vita and Dario Bruneo. **On the use of LSTM networks for Predictive Maintenance in Smart Industries** Avisek Naug, Ibrahim Ahmed and Gautam Biswas. **Online Energy Management in Commercial Buildings using Deep Reinforcement Learning** Md Moniruzzaman, Zhaozheng Yin and Ruwen Qin. **Spatial Attention Mechanism for Weakly Supervised Fire and Traffic Accident Scene Classification**	**Session 2B: Unban Mobility** (*Session Chair: Simone Silvestri, University of Kentucky, USA*) (Room: Eisenhower Ballroom) Luca Bartoli, Francesco Betti Sorbelli, Federico Corò, Cristina M. Pinotti and Anil Shende. **Exact and Approximate Drone Warehouse for a Mixed Landscape Delivery System** Michael Wilbur and Abhishek Dubey. **A Decentralized Approach For Real Time Anomaly Detection In Transportation Networks** Chinmaya Samal, Abhishek Dubey and Lillian Ratliff. **An Integrated simulation framework for evaluating urban mobility** Van Quyet Nguyen, Huu Duy Nguyen, Quyet Thang Huynh, Nalini Venkatasubramanian and Kyungbaek Kim **A Scalable Approach for Dynamic Evacuation Routing in Large Smart Buildings**
15:00 - 15:30	Coffee Break	
15:30 - 17:00	**Session 3A: Smart Systems and Edge Computing** (*Session Chair: Simone Silvestri, University of Kentucky, USA*) (Room: Pentagon Ballroom) Nathan Vance, Md Tahmid Rashid, Yue Zhang and Dong Wang. **Towards Reliability in Online High-Churn Edge Computing: A Deviceless Pipelining Approach** Salvatore Gaglio, Leonardo Giuliana, Giuseppe Lo Re, Gloria Martorella, Antonio Montalto and Daniele Peri. **Interoperable Real-Time Symbolic Programming for Smart Environments** Gautham Santhosh, Fabrizio De Vita, Francesco Longo, Dario Bruneo and Antonio Puliafito. **Towards Trustless Prediction-as-a-Service**	**Session 3B: Mobile Crowdsensing** (*Session Chair: Abhishek Mukherji, Cisco Systems)* (Room: Eisenhower Ballroom) Christine Bassem. **Redefining Node Centrality for Task Allocation in Mobile CrowdSensing Platforms** Nirmit Desai, Wendy Chong, Heather Achilles, Shahrokh Daijavad and Thomas La Porta. **Large-scale hybrid ad hoc network for mobile platforms: Challenges and Experiences** Fangqi Liu, Qiuxi Zhu, Yusuf Sarwar, Nalini Venkatasubramanian and Cheng-Hsin Hsu. **Cost-Effective Sensor Data Collection from Internet-of-Things Zones Using Existing Transportation Fleets**
17:15 - 18:00	Transfer to Banquet - The docking location is 580 Water St SW, Washington, DC 20024	**18:45 - 21:30** Banquet

	SMARTCOMP 2019 MAIN PROGRAM
Time	**Friday, 14 June 2019**
09:00 - 10:00	**Keynote 2: Dr. Wendy Nilsen (Program Director, Smart and Connected Health Program, NSF)** *With so many trained professionals and so much money, why can't medicine and healthcare be smarter?* (**Session Chair:** *Mudhakar*
10:00 - 10:30	Coffee Break
10:30 - 12:00	**Session 4: Social Sensing and Data Analytics** (*Session Chair: Mudhakar Srivatsa, IBM T. J. Watson Research Center, USA*) (Room: Pentagon Ballroom) Amrita Anam, Aryya Gangopadhyay and Nirmalya Roy. Identifying the Context of Hurricane Posts on Twitter using Wavelet Features Federico Concone, Giuseppe Lo Re, Marco Morana and Claudio Ruocco. Assisted Labeling for Spam Account Detection on Twitter Iyanuoluwa Odebode and Aryya Gangopadhyay. Analyzing rhabdomyosarcoma using Multimodal clustering approach (DReiM)
12:00 - 13:00	Lunch

13:00 - 15:00	**Session 5A: Industry Track** (*Session Chair: Abhishek Mukherji, Cisco Systems*) (Room: Pentagon Ballroom) **Invited Talk : Dr. Julien Stamatakis, Title: The Power of the Internet of Things: Harnessing IoT for Building Efficiency (13:00-13:30**) **Invited Talk : Prof. Jonathan Fink, Title: Digital City Testbed Center: Using campus testbeds to help cities, companies and residents assess smart city innovation (13:30-14:00** Seraphin Calo, Maroun Touma, Franck Le, Douglas Freimuth, Erich Nahum and Dinesh Verma.**A Smart System for Characterizing IoT Devices on Enterprise Networks** Sm Hasan, Stanislava Soro, David Davenport and Matthew Pekarske. **Multi Frequency Protocol with Adaptive Frequency Hopping for Reliable Wireless Patient Monitoring** Nachiket Tapas, Giovanni Merlino, Francesco Longo and Antonio Puliafito.**Blockchain-based Publicly Verifiable Cloud Storage** Urjaswala Vora, Peeyush Chomal and Avani Vakharwala.**Precept-Based Framework for Using Crowdsourcing in IoT-based Systems**	**Session 5B: Activity recognition** (*Session Chair: Fred Jiang, Columbia University, USA*) (Room: Eisenhower Ballroom) Yoshiki Honda, Hirozumi Yamaguchi and Teruo Higashino.**Enabling Low Cost Elderly Monitoring for Connected Communities in Depopulated Area** Enrico Casella, Atieh R. Khamesi and Simone Silvestri. **Smartwatch Application for Horse Gaits Activity Recognition** Jose Clemente, Wenzhan Song, Maria Valero, Fangyu Li and Xiangyang Li.**Indoor Person Identification and Fall Detection through Non-Intrusive Floor Seismic Sensing** Sili Wang, Fangyu Li, Maria Valero, Jose Clemente and Wenzhan Song.**Tracking Underground Moving Targets with Wireless Seismic Networks**

15:00 - 15:30	Coffee Break
15:30 - 17:00	**Session 3A: Smart Systems and Edge Computing** (*Session Chair: Aryya Gangopadhyay, University of Maryland Baltimore County, USA*) (Room: Pentagon Ballroom) Md Hossain and John Dogan. A Novel Two-Step Fall Detection Method Using Smartphone Sensors Ana Cristina Franco Da Silva, Pascal Hirmer and Bernhard Mitschang. Model-based Operator Placement for Data Processing in IoT Environments Ronald Doku and Danda Rawat. LightChain: On the Lightweight Blockchain for the Internet-of-Things Jiyao Li and Vicki Allan. A Ride-Matching Strategy For Large Scale Dynamic Ridesharing Services Based on Polar Coordinates Naima Khan, Nirmalya Roy and Nilavra Pathak. Detecting Common Insulation Problems in Built Environments using Thermal Images Weiling Chen and Chai Kiat Yeo. Unauthorized Parking Detection using Deep Networks at Real Time