2019 IEEE 16th International Conference on Smart Cities: Improving Quality of Life Using ICT & IOT and AI (HONET-ICT 2019)

Charlotte, North Carolina, USA
6 – 9 October 2019

IEEE

IEEE Catalog Number: CFP1905B-POD
ISBN: 978-1-7281-3972-2

****** This is a print representation of what appears in the IEEE Digital Library. Some format issues inherent in the e-media version may also appear in this print version.***

IEEE Catalog Number:	CFP1905B-POD
ISBN (Print-On-Demand):	978-1-7281-3972-2
ISBN (Online):	978-1-7281-3971-5
ISSN:	1949-4092

Additional Copies of This Publication Are Available From:

Curran Associates, Inc
57 Morehouse Lane
Red Hook, NY 12571 USA
Phone: (845) 758-0400
Fax: (845) 758-2633
E-mail: curran@proceedings.com
Web: www.proceedings.com

Table of Contents

Paper8	Communication Framework of Hybrid Charging/Refueling Sations for Autonomous Vehicles	*Mingyi Gao (Soochow University & Optical Network Technology Research Center (ONTRC), P.R. China); Khurram Kazi (Draper Laboratory, USA); M. Yasin Akhtar Raja (University of North Carolina at Charlotte, USA)*	64
Paper9	Survey and Performance Study of Emerging LPWAN Technologies for IoT Applications	*Shobhit Aggarwal and Asis Nasipuri (University of North Carolina at Charlotte, USA)*	69
Paper10	Review of Studies that Integrate the Free Space Optics with Fiber Optics	*Muhammad Salman Khan (National University of Sciences and Technology, Pakistan); Jawad Mirza (HITEC University, Pakistan); Salman Ghafoor (National University of Sciences and Technology, Pakistan); Muhammad Zaidi (National University of Sciences & Technology, Pakistan)*	74
Paper11	Wireless Sensor Localization Using Outlier Detection	*Ndubueze O Chuku (The University of North Carolina at Charlotte, USA); Asis Nasipuri (University of North Carolina at Charlotte, USA)*	80
Paper12	Sensor networks for hydrometric monitoring of urban watercourses	*Vishwas Powar, Christopher Post, Elena Mikhailova, Chuck Cook, Mohammad Mayyan, Akshay Bapat and Clifford Harmstad (Clemson University, USA)*	85
Paper13	A Novel Control Structure Integrated for SRF Four Wire Active Power Filter for Reduction Of Harmonics	*Zuhair Alqarni (Western Michigan University, USA); Johnson A. Asumadu (WMU, USA)*	90
Paper14	Mitigating Rebound Effect of Demand Response using Battery Energy Storage and Electric Water Heaters	*Sumedh Halbe (University of North Carolina at Charlotte & University of North Carolina Charlotte, USA); Badrul Chowdhury and Akintonde Abbas (University of North Carolina at Charlotte, USA)*	95
Paper15	Load Management System and Control Strategies of Distributed Energy Resources in an Islanded Microgrid	*Mahfuz Ali Shuvra (UNC Charlotte, USA); Badrul Chowdhury (University of North Carolina at Charlotte, USA)*	100
Paper16	Solid-State Circuit Breakers in Distributed Energy Resources	*Binesh Asok Kumar (UNCC, USA); Davide Leoni (UNCC & Atom Power, USA)*	105
Paper17	Blockchain-based Mechanisms for Local Energy Trading in Smart Grids	*Yassine Abdulsalam, MD Moniruzzaman and Rachid Benlamri (Lakehead University, Canada)*	110