

Theme 1-2: ICT and IoT - 2019

Title	Authors	Scopus Source Title	Volume	Issue	Pages	Source type	Publication type	Open Access
IoT-Based Interactive Dual Mode Smart Home Automation	Hamdan, O. Shanabieh, H. Zaki, Al-Ali, A.R. Shanabieh, T.	2019 IEEE International Conference on Consumer Electronics, ICCE 2019	-	-	-	Conference Proceeding	Conference Paper	0
IoT-solar energy powered smart farm irrigation system	Al-Ali, A.R. Nabulsi, A.A. Mukhopadhyay, S. Awal, M.S. Fernandes, S. Alilabouni, K.	Journal of Electronic Science and Technology	17	4	332-347	Journal	Article	Hybrid gold Green
Internet of things based multi-sensor patient fall detection system	Khan, S. Qamar, R. Zahen, R. Ali, A.R. Nabulsi, A.A. Al-Nashash, H.	Healthcare Technology Letters	6	5	132-137	Journal	Article	Gold Green
Role of FPGA in Internet of Things Applications	Elhawawy, M. Farhan, A. Nabulsi, A.A. Al-Ali, A.R. Sagahyoon, A.	2019 IEEE 19th International Symposium on Signal Processing and Information Technology, ISSPIT 2019	-	-	-	Conference Proceeding	Conference Paper	0
Role of RFID technology in smart city applications	Fahmy, A. Altat, H. Al Nabulsi, A. Al-Ali, A. Aburukba, R.	2019 3rd International Conference on Communications, Signal Processing, and their Applications, ICCSPA 2019	-	-	-	Conference Proceeding	Conference Paper	0
Smartwatches as IoT edge devices: A framework and survey	Takiddeen, N. Zualkernan, I.	2019 4th International Conference on Fog and Mobile-Edge Computing, FMEC 2019	-	-	216-222	Conference Proceeding	Conference Paper	0
IoT based smart city bus stops	Kanhal, M. Adif, M. Mujahid, H. Shanabieh, T. Al-Ali, A.R. Al Nabulsi, A.	Future Internet	11	11		Journal	Article	Gold Green
An IoT-based emergency evacuation system	Zualkernan, I.A. Aloul, F.A. Sakka, V. Noman, H.A. Sowdagar, S. Hammadi, O.A.	Proceedings - 2019 IEEE International Conference on Internet of Things and Intelligence System, IoT&IS 2019	-	-	62-66	Conference Proceeding	Conference Paper	0
Optimization Model for Time Sensitive IoT Requests	Omer, D. Aburukba, R. Landolsi, T.	2019 3rd International Conference on Communications, Signal Processing, and their Applications, ICCSPA 2019	-	-	-	Conference Proceeding	Conference Paper	0
Pollution monitoring system using position-aware drones with 802.11 Ad-Hoc networks	Landolsi, T. Sagahyoon, A. Mirza, M. Aref, O. Maki, F. Maki, S.	2018 IEEE Conference on Wireless Sensors, ICWSe 2018	-	-	40-43	Conference Proceeding	Conference Paper	0
Requirements for an IoT Middleware for Utility-Scale Distributed Solar Farms	Shapsough, S. Zualkernan, I.	2019 6th International Conference on Internet of Things: Systems, Management and Security, IOTSMS 2019	-	-	51-57	Conference Proceeding	Conference Paper	0
An MQTT-Based Scalable Architecture for Remote Monitoring and Control of Large-Scale Solar Photovoltaic Systems	Shapsough, S. Takroui, M. Dhaouadi, R. Zualkernan, I.	Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICT	256	-	57-67	Book Series	Conference Paper	0
Putting context in the network access of mobile applications using fuzzy analytic hierarchy process	Mowafi, Y.A. Alaqarbeh, T. Alazrai, R.	International Journal of Decision Support System Technology	11	2	13-26	Journal	Article	0
Performance Evaluation of Data Center Network Topologies via NS-2 Simulations	Abdulhameed, A. Ahmed R.	International Journal of Computing and Digital Systems	8	6	625-635	Journal	Article	0
Internet of things based multi-sensor patient fall detection system	Khan, S. Qamar, R. Zahen, R. Ali, A.R. Nabulsi, A.A. Al-Nashash, H.	Healthcare Technology Letters	6	5	132-137	Journal	Article	Gold Green
Video Transmission Using Device-to-Device Communications: A Survey	Ahmed, I. Ismail, M.H. Hassan, M.S.	IEEE Access	7	-	131019-131038	Journal	Article	Gold
Smart airport foreign object debris detection rover using LiDAR technology	Elayes, A. Ali, M.H. Zakaria, A. Ismail, M.H.	Internet of Things (Netherlands)	5	-	1-11	Journal	Article	
A Resource Allocation based Mode Selection Scheme in D2D Communication	Ahmed, I. Ismail, M.H. Hassan, M.S.	2019 3rd International Conference on Communications, Signal Processing, and their Applications, ICCSPA 2019	-	-	-	Conference Proceeding	Conference Paper	
Novel Methods for Generating Fox's H-Function Distributed Random Variables With Applications	Aborahama, Y. Ismail, M.H. Hassan, M.S.	IEEE Transactions on Vehicular Technology	68		7150-7154	Journal	Article	
A stochastic-based rate control approach for video streaming over cognitive radio networks	Abo Rahama, Y. Hassan, M.S. Ismail, M.H.	IEEE Transactions on Cognitive Communications and Networking	5	1	181-192	Journal	Article	
Large-scale channel measurements at 28 GHz in the United Arab Emirates for 5g systems	Rahama, M.A. Hatahet, Y. Zakaria, A. Ismail, M.H. El-Tarhuni, M.	IEEE Radio and Wireless Symposium, RWS	-	-	-	Conference Proceeding	Conference Paper	
An MQTT-Based Scalable Architecture for Remote Monitoring and Control of Large-Scale Solar Photovoltaic Systems	Shapsough, S. Takroui, M. Dhaouadi, R. Zualkernan, I.	Lecture Notes of the Institute for Computer Sciences, Social-Informatics and Telecommunications Engineering, LNICT	256	-	57-67	Book Series	Conference Paper	
Enhanced Training Technique for Nested Look-Up Table Based Behavioral Modeling of Nonlinear Power Amplifiers	Dalbahi, A. Hamimi, O.	2019 3rd International Conference on Communications, Signal Processing, and their Applications, ICCSPA 2019	-	-	-	Conference Proceeding	Conference Paper	
A novel closed-form expression for the probability of starvation in video streaming over wireless networks	Abo Rahama, Y. Hassan, M.S. Ismail, M.H.	Telecommunication Systems	71	4	577-584	Journal	Article	
A Probabilistic Closed-Form Expression for the Amount of Data Secondary Users can Transmit in Cognitive Radio Networks	Helmy, M. Aborahama, Y. Hassan, M.S. Ismail, M.H.	Wireless Telecommunications Symposium	2019	-	-	Conference Proceeding	Conference Paper	
An integrated scheme for streaming scalable encoded video-on-demand over CR networks	Omer, A.E. Hassan, M.S. El-Tarhuni, M.	Physical Communication	35	-	-	Journal	Article	
Performance Benchmarking of Twin Nonlinear Two Box Models for High Efficiency Power Amplifiers	Hamimi, O.	KETAS 2019 - 2019 6th IEEE International Conference on Engineering, Technologies and Applied Sciences	-	-	-	Conference Proceeding	Conference Paper	
AMMO Microwave Wireless Power Transfer	Awad, A. Alkhadem, M. Albasha, L.	APACE 2019 - 2019 IEEE Asia-Pacific Conference on Applied Electromagnetics, Proceedings	-	-	-	Conference Proceeding	Conference Paper	
On the use of underground conduits as potential means for transmitting data	Alnaqbi, A. Badr, M.R. Albasha, L.	2019 8th International Conference on Modeling Simulation and Applied Optimization, ICMSAO 2019	-	-	-	Conference Proceeding	Conference Paper	