



ICBDSC 2019-Conference: Presentations Program

Day 1 – 15th Jan 2019

Keynote Speech Session

09:30 - 10:15	Keynote Address 1 : Prof. Latif Ladid	Auditorium (Student Hub)
10:15 - 11:00	Keynote Address 2: Prof. Francisco Masulli	Auditorium (Student Hub)

PARALLEL SESSION (A1, A2 and A3) : SMART INFRASTRUCTURE 11:30 -13:00

Session A1 Venue : AKZ007

Paper ID	Authors	Title
2	Mădălin-Dorin Pop and Octavian Prostean	Bayesian Reasoning for OD Volumes Estimation in Absorbing Markov Traffic Process Modeling
16	Shaik Asif Hussain, Chandra Shekar Ramaiah, J Chinna Babu and M. N. Giri Prasad	IOT Multitasking: Design of Smart phone application for systematic execution and scheduling in real time environment
29	Mahmood Al-Bahri, Anton Yankovsky, Ruslan Kirichek and Aleksey Borodin	Smart System Based on DOA and IoT for Products Monitoring and Anti-counterfeiting
37	Jean-Paul Van Belle and Mbongeni Hlabano	Building Urban Resilience in the Face of Severe Drought through the Innovative Use of Open Data

Session A2 Venue : AKZ001

Paper ID-Time	Authors	Title
41	Aisha Al Mamari, Syed Kazmi, Jitendra Pandey and Siham Al Hinai	IoT based Smart Parking and Traffic Management System for Middle East College
44	Kamal Uddin Sarker and Dr. Aziz Bin Deraman	Kids' Smart Campus Ontology to Retrieve Interest

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36	Dr.Smiju Sudevan and Dr.Mani Joseph	Internet of Things: Incorporation into Healthcare Monitoring
76	Salman Mahmood, Sellappan Palaniappan, Raza Hasan, Kamal Uddin Sarker and Ali Abass	Raspberry PI and role of IoT in Education
Session A3 Venue : Auditorium (Student Hub)		
Paper ID-Time	Authors	Title
95	Faisal Said Al Habsi and Elango Rengasamy	Managing Obsolescence and Prolonging the Useful Life of Desktop Computers – An Exploratory Analysis!
97	Vishal Dattana, Ashwani Kush, Arun Kumar and Syed Imran Ali Kazmi	Manet for Stable Data flow in Smart home and Smart city
105	Anilloy Frank, Yasser Salim Khamis Al Aamri and Amer Zayegh	IoT based Smart Traffic density Control using Image Processing
111	Hamza Rumman, Fiseha Guangul, Adham Abdu, Muhammad Usman and Abdulrahman Alkharusi	Harvesting Electricity using Piezoelectric Material in Malls
Keynote Speech Session		
14:00-14:45	Keynote Address 3: Dr. Ali Shidhani	Auditorium (Student Hub)
PARALLEL SESSIONS (B1, B2 and B3) SMART URBAN MOBILITY SERVICES 15:00 - 16:30		
Session B1 Venue : AKZ007		
Paper ID	Authors	Title
114	Siham G. Farag	Application of Smart structural System for Smart Sustainable Cities

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30	Muhammad Bashir and Kamaludin Yusof	Green Mesh Network of UAVs: A Survey of Energy Efficient Protocols across Physical, Data Link and Network Layers
33	Fiseha Mekonnen Guangul and Girma Tadesse Chala	Solar Energy as Renewable Energy Source: SWOT Analysis
77	Salman Mahmood, Raza Hasan, Asad Ullah and Kamal Uddin Sarker	SMART Security Alert System for Monitoring and Controlling Container Transportation

Session B2 Venue : AKZ001

Paper ID	Authors	Title
42	Ammar Muthanna, Mohammed Saleh Ali Muthanna, Khakimov Abdukodir, Abdelhamied A. Ateya and Mahmood Al-Bahri	Delay Tolerant Network model based on D2D communication
67	Khalid Al Harthy, Dr.Hajah Fadilah Hj Puteh and Khoula Harthy	Investigates Leadership challenges in a Smart environment
83	Zeenat Zehra and Muhammad Bashir	Color fastness grading system for textile industry using CIEL*a*b color space
84	Fiseha Mekonnen Guangul and Girma Tadesse Chala	SWOT Analysis of Wind Energy as a Promising Conventional fuels Substitute

Session B3 Venue : Auditorium (Student Hub)

Paper ID	Authors	Title
93	Madhava Prabhu and Seema Verma	Comparative Analysis of Segmentation techniques for Progressive Evaluation and risk identification of Diabetic Foot Ulcers
102	Rasha Elhassan, Randa Abdalhalem and Mahmoud Ali	Smart Waste Management System for Congested area Makah and Holley Sides as a Model

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109	Dawoud Alshukri, Vidhya Lavanya R, Sumesh E P and Pooja Krishnan	Intelligent Border Security Intrusion Detection using IoT and Embedded systems
131	Satish Masthenahally Nachappa and Vasundara Patel K S	Power Reduction in FinFET Half Adder using SVL Technique in 32nm Technology

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Day 2 – 16th Jan 2019

Keynote Speech Session

09:00 - 09:45	Keynote Address 4: Prof. Richard Dashwood	Auditorium (Student Hub)
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PARALLEL SESSION (C1, C2 and C3) : BIG DATA ANALYTICS, SECURITY AND INTEGRITY & APPLICATION
10:30 - 12:30

Session C1 Venue : AKZ001

Paper ID	Authors	Title
11	Tarek Mami	The factor that influence of expectations gap in accounting education in Sultan Qaboos University
23	Sudhagar Chandran	Role of Fuzzy Cognitive Maps in Smart Education System
87	Vishal Dattana, Kishu Gupta and Ashwani Kush	A Probability based Model for Big Data Security in Smart City
31	Saeed Sulieman Al- Nadabi and Jayakumari C	Predict the selection of mathematics subject for 11th grade students using Data Mining technique
107	Minimol Job and Jitendra Pandey	Proposed framework for Spam recognition in big data for Social Media Networks in smart environment

Session C2 Venue : AKZ007

Paper ID	Authors	Title
34	Raza Hasan, Midhat Ghufuran, Syed Shahrukh Javed, Hammad Ul-Haq, Ahmed Azeem and Danish Jamil	SMART Virtual Dental Learning Environment
40	Amal Al-Abri, Yassine Jamoussi, Zuhoor Alkhanjari and Naoufel Kraiem	Aggregation and Mapping of Social Media Attribute Names Extracted from Chat Conversation for Personalized E-Learning
56	Ahmed Ghulamrasul Al Balushi, Herald Noronha and Prakash Kumar U	Evolution of Big Data Challenges in Computational Intelligence and Soft computing
124	Anjum Zameer Bhat, Mohammed Saqib, Vikas Rao Naidu and Imran Ahmed	IoT and Big Data for Decreasing Mortality rate in Accidents and Critical illnesses
135	Varghese James and Dhanalakshmi Venugopal	Smart Solution to manage computer files and compose text documents using Hidden Markov Model's Algorithm and Code Excited Linear Prediction Algorithm for Physically Challenged User
71	Sumitra Srinivas Kotipalli and Dr. Gangadhara Rao Kancharla	Feature Selection in Big Data using Filter Based Techniques

Session C3 Venue : Auditorium (Student Hub)

Paper ID	Authors	Title
19	Alrence Halibas, Anju Matthew, Indu Pillai, Jay Harold Reazol, Erbeth Gerald Delvo and Leslyn Reazol	Determining the Intervening Effects of Exploratory Data Analysis and Feature Engineering in Telecoms Customer Churn Modelling
47	Ijaz Khan, Abir Al-Sadiri, Abdul Rahim Ahmad and Nafaa Jabeur	Tracking Student Performance in Introductory Programming by Means of Machine Learning

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53	Zeyana Ahmed Al Maawali, Herald Noronha and Prakash Kumar U	Big data acquisition, preprocessing and analysis to Develop and Implement Effective Database System with High Security Standards
64	Khoula Harthy, Fatma Al Shuhaimi and Khalid Al Ismaily	The upcoming Blockchain adoption in Higher education: requirements and process
116	Karim Hadjar and Ahmed Jedidi	A New Approach for Scheduling Tasks and/or Jobs in Big Data Cluster
130	Vallikannu Ramanathan and T Meyyappan	Twitter Text Mining for Sentiment Analysis on People's Feedback about Oman Tourism