

ICCOINS2018

2018 INTERNATIONAL CONFERENCE ON COMPUTER AND
INFORMATION SCIENCES (ICCOINS)

A Conference of WORLD ENGINEERING, SCIENCE & TECHNOLOGY
CONGRESS (ESTCON)

CONFERENCE PROGRAMME

Day 1: Monday 13 th August 2018		
Time	Event	Venue
0830-1030	Opening Ceremony	Conference Hall
MORNING BREAK		
1100-1300	Keynote Address I & II	Conference Hall
LUNCH BREAK		
1400-1600	ICCOINS FORUM	Level 4, Room 410
EVENING BREAK		
ICCOINS Parallel Sessions		
1620-1830	Track 1 – Big Data Analytics and IoT 1	Level 4, Room 404
	Track 2 – Information Systems 1	Level 4, Room 405
End of Day 1		

Day 2: Tuesday 14th August 2018		
Time	Event	Venue
ICCOINS Parallel Sessions		
0800-1030	Track 3 – Network Systems & Cyber Security 1	Level 4, Room 403
	Track 4 – Software Engineering 1	Level 4, Room 409
	Track 2 – Information Systems 2	Level 4, Room 410
MORNING BREAK		
1045-1200	ICCOINS PLENARY 1	Level 4, Room 409
1210-1310	IEEE-CIS committee Meeting	Level 4, Room 409
LUNCH BREAK		
ICCOINS Parallel Sessions		
1400-1600	Track 1 – Big Data Analytics and IoT 2	Level 4, Room 405
	Track 2 – Information Systems 3	Level 4, Room 406
1600-1630	JICT Briefing	Level 4, Room 406
EVENING BREAK		
End of Day 2		

Technical Sessions

Day 1: Monday 13th August 2018	
Venue:	404
Track 1:	Big Data Analytics and IoT 1
Time:	16:20 – 18:30
Chair:	Prof. Junzo Watada
Co-Chair:	Dr. Gunasekar Thangarasu
Paper ID	Paper Title Authors
1570428920	Automated Table Partitioner (ATAP) in Apache Hive Thivviyan Amirthalingam and Helmi Md Rais
1570423883	Analysis of Change Data Capture Method in Heterogeneous Data Sources to Support RTDW Harry Chandra
1570428091	An Integrated Architecture for Prediction of Heart Disease from the Medical Database Gunasekar Thangarasu, Kayalvizhi Subramanian and P. D. D. Dominic
1570436327	A Fuzzy Index Tracking Multi-Objective Approach to Stock Data Analytics Huiming Zhang and Junzo Watada
1570442218	Partial Correlation Threshold Network Analysis of Malaysia Stock Market Yasaman Eftekharypour, Chuan Hai Ngo, Hong Ong
1570429498	Process Mining – the Enhancement of Elements of Industry 4.0 Michal Halaška and Roman Šperka
1570437669	Data Processing Method for an Interval-Type Fuzzy Regression Model Yoshiyuki Yabuuchi

Day 1: Monday 13th August 2018	
Venue:	405
Track 2:	Information Systems 1
Time:	16:20 – 18:30
Chair:	Dr. Kalai Anand Ratnam
Co-Chair:	Ahmed Omer Ahmed Ismail
Paper ID	Paper Title Authors
1570437919	An Atypical Approach for Uncovering the Essence of Emotions in Consumer Reviews Sudhir N Dhage and Alfiya Shama
1570429767	An Assessment of Game Elements in Language-Learning Platform Duolingo Duy Huynh, Long Zuo, and Hiroyuki Iida
1570438628	A Fuzzily Partitioned Interval Function Model for Ordinal Regression Masahiro Inuiguchi and Hiroki Inoue
1570434834	The Influence of Interaction on Students Academic Performance: Case of Saudi Public University Ahmed Omer Ahmed Ismail and Ahmad Kamil Mahmood
1570436022	Preferred Sound Type for Stress Therapy Rubijesmin Abdul Latif
1570428086	Mobile Learning and Software as a Service: The Effect on Knowledge Sharing Deemah A. Al-Arabi, Wan Fatimah Wan Ahmad and Aliza Sarlan
1570423533	A Hybrid Alert System for Deaf People using Context-Aware Computing and Image Processing Maythem K. Abbas, Bie Tong and Raed Abdulla

Day 2: Tuesday 14th August 2018

Venue: 403

Track 3: Network Systems and Cyber Security 1

Time: 08:00 – 10:30

Chair: AP. Dr. Low Tang Jung

Co-Chair: Dr. Shiladitya Bhattacharjee

Paper ID	Paper Title Authors
1570445444	Single-hop Packet Delivery Rate in V2V Safety Communications for Worst-case Highway Scenarios Bilal Munir Mughal, Low Tang Jung, Asif Ali Wagan
1570442498	Proposing A Data Privacy Aware Protocol for Roadside Accident Video Reporting Service Using 5G in Vehicular Cloud Networks Environment Zahrah A. Almusaylim, Noor Zaman, Low Tang Jung
1570437480	Distributed Network Mobility Management Scheme for Network Mobility Low Tang Jung and Asif Ali Wagan
1570437202	Adopting Centroid and Amended Trilateration for Better Accuracy of Range-Based non-GPS Localization Marina Md. Din, Norziana Jamil, Nik Fariz Nik Ahmad Aziz
1570435316	A Protocol for Selecting the Strongest and Authentic Hotspot in Any Wireless Infrastructure Shiladitya Bhattacharjee, Lukman Bin Ab Rahim, M. Nordin B. Zakaria, Izzatdin Bin Ab. Aziz
1570425691	The Impact of Cultural Familiarity on Choosing Images for Recognition-based Graphical Passwords Abdullah Ibrahim Shaban, Nur Haryani Zakaria
1570436873	Possible Conditions of FTE and FTA in Fingerprint Recognition System and Countermeasures Nur Iylia Roslan, Nur Sharifah Idayu Mat Roh, Noraziah Anini Mohd Rashid
1570435313	A Hybrid Technique for Enhancing Data Integrity in Big Data Transmission Environment Shiladitya Bhattacharjee, Lukman Bin Ab. Rahim, M. Nordin B. Zakaria, Izzatdin Bin Ab. Aziz
1570442192	Synthesis of Reversible Logic Using Enhanced Genetic Programming Approach Mustapha Yusuf Abubakar and Low Tang Jung

Day 2: Tuesday 14th August 2018

Venue: 409

Track 4: Software Engineering 1

Time: 08:00 – 10:30

Chair: Dr. Syed Hasan Adil

Co-Chair: Mubeen Aslam

Paper ID	Paper Title Authors
1570441945	Liver Patient Classification Using Logistic Regression Syed Hasan Adil, Mansoor Ebrahim, Kamran Raza, Syed Saad Azhar Ali, Manzoor Ahmed Hashmani
1570437315	Designing Page Scrolling Gesture Using Gesture-Specific Heuristics in Leap Motion Ngip Khean Chuan, Wan Fatimah Wan Ahmad, Ashok Sivaji
1570442146	Towards Better Knowledge Management in Global Software Engineering Maham Noor, Zeeshan Ali Rana
1570436972	Descriptive Logic for Software Engineering Ontology: Aspect Software Quality Control Kamal Uddin Sarker, Dr. Aziz Bin Deraman, Raza Hasan
1570437184	Domain Specific Modelling Language of PIM for OSSS on Infrastructure Cloud Service Model Mubeen Aslam, Lukman Rahim, Manzoor Hashmani, Junzo Watada
1570436312	Artificial Bee Colony Algorithm for t-Way Test Suite Generation Ammar K Alazzawi, Helmi Md Rais and Shuib Basri
1570442604	Consistency of System Test Case Results for Software Capability Rating Muhammad Dhiauddin Mohamed Suffian, Loo Fook Ann, Mohamad Subakin, Soo Shi Tzuaan, Farah Farhana Mohd Nazri
1570442062	Enhancing MANET Performance Using S-MPRP Algorithm Mohd Hilal Muhammad and Hanizan Shaker Hussain

Day 2: Tuesday 14th August 2018

Venue: 410

Track 2: Information Systems 2

Time: 08:00 – 10:30

Chair: Yet Chin Phung

Co-Chair: Amy Mei Yin Ling

Paper ID	Paper Title Authors
1570437253	Readiness of Mobile Learning Among Working Adults in Malaysia Amy Mei Yin Ling, Wan Fatimah Wan Ahmad, Ahmad Sobri Hashim
1570435423	Optimization of Schizophrenia Diagnosis Prediction Using Machine Learning Techniques Anant V Nimkar and Divesh R Kubal
1570435775	Analysis of Learning Preferences and Learning Styles for an Undergraduate Teaching Unit Yet Chin Phung, P.D.D.Dominic, Rohiza Ahmad
1570437478	Cloud Computing Security Possibility for Government: Security Concerns on Data Privacy & Data Accessibility Geolocation Ahmad Dahari Jarno, Shahrin Baharom, Norahana Salimin
1570436897	Cyber Security Challenges in Organisations: A Case Study in Malaysia Chooi Shi Teoh, AP Dr Ahmad Kamil Mahmood, Dr Suhazimah Dzazali
1570437740	Smart Event Management Waste Bin for Schools and Universities K.S Savita, Luqmanulhakim, Manoranjitham Muniandy, K. Mathiyazhagan
1570437658	A Smart Home Appliances Power Management System for Handicapped, Elder and Blind People Safdar Rizvi, Izaan Sohail, Mehreen M Saleem, Areeba Irtaza, Maria Zafar, Mehak Syed

Day 2: Tuesday 14th August 2018

Venue: 405

Track 1: Big Data Analytics and IoT2

Time: 14:00 – 16:00

Chair: Yew Kwang Hooi

Co-Chair: Raza Hasan

Paper ID	Paper Title Authors
1570445077	Model Implementation and Real-Data Validation of On-Shore OWC Wave Energy Plants Aitor J. Garrido, Izaskun Garrido, Jon Lekube, Manuel De la Sen
1570434206	IoT and Machine Learning Based Prediction of Smart Building Indoor Temperature Debayan Paul, Tanmay Chakraborty, Soumya Kanti Datta, and Debolina Paul
1570426424	Adoption of E-Commerce Online to Offline with Technology Acceptance Model (TAM) Approach Regina Eka Riantini, Vional, Aries
1570442007	Pragmatic Ontology Design Pattern for Contextual Integration Yew Kwang Hooi, M Fadzil Hassan, M Azmi Shariff
1570436913	Student Academic Performance Prediction by using Decision Tree Algorithm Raza Hasan, Dr. Sellappan Palaniappan, Abdul Rafiez Abdul Raziff, Salman Mahmood, Kamal Uddin Sarker
1570437615	Internet of Things (IoT) and Water Crisis Haikal Hafiz Kadar, Putri 'Amirah Abdul Rafee, Sera Syarmila Sameon
1570440488	Human Object Detection in Forest with Deep Learning based on Drone's Vision Suet-Peng Yong, Yoon-Chow Yeong
1570437138	Hybrid Swarm Intelligence Algorithms with Ensemble Machine Learning for Medical Diagnosis Qasem Al-Tashi, Helmi Rais, Said Jadid Abdulkadir

Day 2: Tuesday 14th August 2018

Venue: 406

Track 2: Information Systems 3

Time: 14:00 – 16:00

Chair: Dr. Savita K Sugathan

Co-Chair: Maryam Zaffar

Paper ID	Paper Title Authors
1570439919	Learning Block Programming using Scratch among School Children in Malaysia and Australia: An Exploratory Study Norshuhani Zamin, K.S. Savita, Hazrita Ab Rahim, Ena Bhattacharyya, Siti Nor Katijah Mohd Jamil, Maryam Zaffar
1570444784	Chaos Based Spatial Domain Robust Image Watermarking Scheme Muhammad Asif Khan, Umar Khan and Asim Ali
1570446049	Collaborative Research Management Method in Knowledge Management: Conceptual Foundations and Research Issues Roslinda Murad, Hanizan Shaker Hussain, Hafiza Samad, Wan Asiah Tahir and Mohd Hanif Ali
1570437457	Conceptual Framework for SIDS Alert System Emelia Akashah P.Akhir, Noreen Izza Arshad, Afiq Aiman Zamri, Ruzi Bachok
1570437684	Data Governance Cloud Security Assessment at Data Centre Kamariah Abu Saed, Norshakirah Aziz and Ade Wahyu Ramadhani, Noor Hafizah Hassan
1570436976	<i>A Traffic Load Aware Approach for Optimum Throughput in 5G Heterogeneous Cellular Networks</i> Amna Shabbir, H. R. Khan and Syed Abbas Ali
1570434057	A Study of Prediction Models for Students Enrolled in Programming Subjects Maryam Zaffar, Manzoor Ahmed Hashmani, K.S. Savita