



The 6th International Conference on
Computing and Informatics 2017
(ICOCI2017)

PARALLEL SESSION SCHEDULE

DAY 1 - PARALLEL SESSIONS A (1045-1300)

A1	A2	A3	A4
BOEING 1	BOEING 2	BOEING 3	BOEING 4
<i>Green/Eco-friendly Computing, Pervasive Computing, Smart Technology</i>	<i>Data Science/Analytics</i>	<i>Intelligent Systems & Robotics</i>	<i>Mobile Technology, e-Commerce, e-Business, m-Commerce</i>
[PID65] The Practice of using Green Information System (Green IS) Solutions for Eco-Friendly Organizations Mohamad Taha Ijab	[PID25] Data Science: Impact of Twitter on Human Interaction Anis Naseerah Shaik Osman, Sharifah Sakinah Syed Ahmad & Halizah Basiron	[PID12] Self-Tuning Fuzzy PID Controller using Online Method in Essential Oil Extraction Process Zakiah Mohd Yusoff, Zuraida Muhammad, Amar Faiz Zainal Abidin, Mohd Azri Abdul Aziz, Nurlaila Ismail & Mohd Hezri Fazalul Rahiman	[PID17] Cloud-Based Web Service Composition using Action Script R Kanesaraj Ramasamy, Noor Ain Rosly, Illiana Azizan & Fang-Fang Chua
[PID93] Software Sustainability Development: Impactibility Characteristic Focuses on Social Approach Ruzita Ahmad, Fauziah Baharom & Azham Hussain	[PID117] Big Data Maturity Model - A Preliminary Evaluation Sulfeeza Mohd Drus & Noor Hafizah Hassan	[PID152] Paddy Weed Leaf Classification using Neuro-Fuzzy System Mohd Zuhilmi Ab Jamil, Sofianita Mutalib, Shuzlina Abdul Rahman & Zalilah Abd Aziz	[PID54] Exam Paper Generator for Multi-Platform Mobile Application Optimized by Cloud-Based Web Service Composition R Kanesaraj Ramasamy, Illiana Azizan & Noor Ain Rosly
[PID66] Exploring Usability of Various Touch Gesture in Touch Screen IVIS using Paper Prototype Fatin Shamimi Mohd Zuki & Suziah Sulaiman	[PID115] Factors Of Emerging Infectious Disease Outbreak Prediction using Big Data Analytics: A Systematic Literature Review Nur Laila Ab Ghani, Sulfeeza Mohd Drus, Noor Hafizah Hassan & Aliza Abdul Latif	[PID124] An Adaptive Anomaly Threshold in Artificial Dendrite Cell Algorithm Mohamad Farhan Mohamad Mohsin, Azuraliza Abu Bakar & Abdul Razak Hamdan	[PID113] A Coherent Authentication Framework for Mobile Computing based on Homomorphic Signature and Implicit Authentication Hamdun Mohammed, Suliman Mohamed Fati, Vasaki Ponnusamy, Ooi Boon Yaik, Robithoh Annur & Liew Soung Yue
[PID121] Conceptual Framework for Enhancing A Wearable Device that Converts Sound, Text and Image Into Automatic Sign Language Recognizing System (ASLR) Shelena Soosay Nathan, Mohammed Ahmed Taiye, Azham Hussain, Nor Laily Hashim, Toan Nguyen-Duc & Eiji Kamioka	[PID19] Text Analytics of Unstructured Textual Data: A Study on Military Peacekeeping Document using R Mining Package Zuraini Zainol, Puteri N.E. Nohuddin, Tengku A.T. Mohd & Omar Zakaria	[PID50] Spatial Layout Design Factors During Panic Situations Najihah Ibrahim & Fadratul Hafinaz Hassan	[PID150] Mobile Flood Assistant (Mo-FA): Assisting Flood Victims with Mobile Technology Marina Md. Din, Salman Yussof & Muhammad Rasul Abu Bakar
[PID166] Visualization of Spoken Language for Deaf People Toan Nguyen-Duc, Othmar Othmar Mwambe, Shelena Soosay Nathan, Mohammed Ahmed Taiye, Azham Hussain, Nor Laily Hashim & Eiji Kamioka	[PID29] An Enhancement of Sliding Window Algorithm for Rainfall Forecasting Siti Nor Fathihah Azahari, Mahmud Othman & Rizauddin Saian	[PID33] Applying A New Hybrid Model of Embedded System Development Methodology on A Flood Detection System Azizah Suliman, Nursyazana Nazri & Surizal Nazeri	[PID30] The Trust Effect towards Online Seller in Social Commerce Ramona Ramli, Asmidar Abu Bakar, Roslan Ismail & Norshakirah Aziz
[PID173] Obstacle Detection based on History Information in Self-Driving Vehicles Swetha Indudhar Goudar, Keishi Usa, Eiji Kamioka & Ku Ruhana Ku-Mahamud	[PID89] Effect of Fuzzy Discretization in The Association Performance with Continuous Attributes Nor Idayu Ahmad-Azami, Nooraini Yusoff & Ku Ruhana Ku-Mahamud	[PID105] Distance Measurement for Self-Driving Cars Using Stereo Camera Yasir Dawood Salman, Ku Ruhana Ku-Mahamud & Eiji Kamioka	[PID26] Consumer's Perception towards Real-time Virtual Fitting System Yuen Yee Yen, Kogilah Narayanasamy, Cheng Yi Lin, Devinaga Rasiah & Suganthi Ramasamy

[PID143] 3D Facial Expression Intensity Measurement Statistical Analysis <i>Alicia Cheong Chiek Ying, Hamimah Ujir & Irwandi Hipiny</i>	[PID186] Fusscyier Mammogram Images Classification based on Similarity Measure Fuzzy Soft Set <i>Saima Anwar Lashari, Rosziati Ibrahim & Norhalina Senan</i>	[PID108] Enhanced Parallel SOM based-on Heterogeneous System Platform <i>Muhammad Firdaus Mustapha, Noor Elaiza Abd Khalid, Mazani Manaf & Azlan Ismail</i>	[PID147] Sharia Compliance Service Quality Metrics for E-Commerce: An Exploratory Analysis <i>Mohammed Bashir Ribadu & Wan Nurhayati Wan Ab. Rahman</i>
	[PID215] Knowledge Management Behaviour among Practioners in Malaysia <i>Mohamed Jalaldeen Mohamed Razi, Mohd Izzuddin Mohd Tamrin, Abdul Rahman Ahmad Dahlan & Noor Azian Mohamad Ali</i>	[PID82] Detecting Video Spammers in Youtube Social Media <i>Yuhanis Yusof & Omar Hadeb Sadoon</i>	[PID195] Factors Affecting Awareness on Information Security in Internet Banking among Universiti Teknologi Petronas (UTP) Students <i>Ahmad Sobri Bin Hashim & Saipunizam Mahamad</i>
	[PID194] Social Commerce Behavior among University Students in Malaysia <i>Mohamed Jalaldeen Mohamed Razi, Mohd Izzuddin Mohd Tamrin & Husnayati Hussin</i>	[PID80] The Impact of SQL Injection Attacks on The Security of Databases <i>Rua Mohamed Thiyab, Musab A. M. Ali & Farooq Basil Abdulqader</i>	

DAY 1 - PARALLEL SESSIONS B (1630-1730)

B1	B2	B3	B4
BOEING 1	BOEING 2	BOEING 3	BOEING 4
Software Engineering	Formal Methods, Verification, Validation, Knowledge Engineering	Optimization Algorithms	e-Commerce, e-Business, m-Commerce, Educational Computing
[PID11] A Conceptual Model for Service-Oriented Architecture Adoption Maturity Evaluation <i>Mohd Hamdi Irwan Hamzah, Fauziah Baharom & Haslina Mohd</i>	[PID22] Improving The Quality of Requirements Work Products using Scoring Rubrics-Assisted Reading <i>Emmanuel O.C. Mkpajogou & Nor Laily Hashim</i>	[PID35] Enhanced Selection Method for Genetic Algorithm To Solve Traveling Salesman Problem <i>Mohammed Mahfoudh Khamis Binjubeir, Mishal Almazrooie & Rosni Abdullah</i>	[PID151] Social Network Analysis of B2B Networks <i>Abdul Hadi Mohamad, Fang Wang, Noor Widasuria Abu Bakar & Pavan Kumar Jatavallabhula</i>
[PID38] Software Development Team Composition: Personality Types of Programmer and Complex Networks <i>Abdul Rehman Gilal, Mazni Omar, Jafreezal Jaafar, Kamal Imran Sharif, Abdul Waheed Mahessar & Shuib Basri</i>	[PID37] Validation of UC2VDM++ Architecture <i>Swee Yin Wong, Edwin Mit & Jonathan Sidi</i>	[PID126] Heuristic Method For Optimum Shift Scheduling Design <i>Lee Kong Weng, Sze San Nah & Phang Keat Keong</i>	[PID122] The Challenges of Massive Open Online Courses (MOOC): A Preliminary Review <i>Almahdi M Ejreaw & Sulfeeza Mohd Drus</i>
[PID168] Solving The Preference-Based Conference Scheduling Problem through Domain Transformation Approach <i>Siti Khatijah Nor Abdul Rahim, Amir Hamzah Jaafar, Andrzej Bargiela & Faridah Zulkipli</i>	[PID91] Skyline Query Processing for Incomplete Data in Cloud Environment <i>Yonis Gulzar, Ali A. Alwan, Norsaremah Salleh & Imad Fakhri Al-Shaikhli</i>	[PID139] Heuristic Faculty Course Timetabling with Student Sectioning <i>Chia-Lih Bong, San-Nah Sze, Noor Alamshah Bolhassan & Kang-Leng Chiew</i>	[PID165] Impact of ICT and Electronic Gadget among Young Children in Education: A Preliminary Investigation <i>Mira Adila Mat Saruji, Noor Hafizah Hassan & Sulfeeza Md. Drus</i>
[PID157] Extracting Software Features from Online Reviews to Demonstrate Requirements Reuse in Software Engineering <i>Noor Hasrina Bakar, Zarinah M Kasirun, Norsaremah Salleh & Azni Haslizan Halim</i>	[PID102] Which Extractive Summarization Method For Malay Texts? <i>Bali Ranaivo-Malancon & Hazimah Iboi</i>	[PID155] Courier Delivery Services Visualisor (CDSV) with An Integration of Genetic Algorithm and A* Engine <i>Mohammad Fariduddin Jalaluddin, Ezzatul Akmal Kamaru-Zaman, Shuzlina Abdul-Rahman & Sofianita Mutalib</i>	[PID52] Perceived Learning Constructs and Interaction Patterns in A Social Networking Site <i>Mohd Nihra Haruzuan Mohamad Said & Junaidah Yusup</i>

DAY 2 - PARALLEL SESSIONS C (0800-0945)

C1	C2	C3	C4
BOEING 1	BOEING 2	BOEING 3	BOEING 4
<i>Software Engineering, Decision Support Systems, Expert Systems</i>	<i>Cooperative Work Support, Crowd Sourcing</i>	<i>Systems & Network Security</i>	<i>Multimedia Supports & Applications</i>
[PID101] Storage Optimization for Digital Quran using Sparse Matrix with Hexadecimal Representation <i>Ashraf AL_Omoush, Norita Md Norwawi, Rosenita Ismail, Fauziah Wahid & Ahmad Akmaluddin Mazlan</i>	[PID15] The Acceptance of Virtual Platforms for Promoting Knowledge Sharing Behavior - A Review of The Technology Acceptance Model (TAM) Hairol Adenan Kasim	[PID46] Modality Conflict Analysis In XACML Policy Evaluation Teo Poh Kuang , Hamidah Ibrahim, Fatimah Sidi & Nur Izura Udzir	[PID13] Development of Mobile Application for Autistic Children using Augmentative and Alternative Communication Technique Wan Fatimah Wan Ahmad , Ahmad Sobri Hashim & Aaina Nadia Mazlan
[PID138] A Conceptual Privacy Framework for Privacy-Aware IOT Health Applications Kavenesh Thinakaran , Jaspaljeet Singh Dhillon, Saraswathy Shamini Gunasekaran & Lim Fung Chen	[PID120] Users' Intellectual Property Rights in Crowdsourced Software Engineering Tasks Hani Al-Bloush & Badariah Solemon	[PID119] The Authentication Techniques for Enhancing The RPL Security Mode: A Survey Mohamad Faiz Razali , Mohd Ezanee Rusli, Norziana Jamil, Roslan Ismail & Salman Yussof	[PID20] Speech to Singing Synthesis: Incorporating <i>Patah Lagu</i> in The Fundamental Frequency Control Model for Malay Asli Song <i>Nurmaisara Za'ba</i> & Nursuriati Jamil
[PID51] Agent Oriented Methodology for Malaria Transmission Modelling and Simulation Garry Loh Chee Wyai, Shane Nissom, Cheah WaiShiang & Nurfauzza Jali	[PID161] Exploring The Public's Perception towards Crowdsourced Crime Reporting <i>Wan Mohamad Luqman Wan Abu Bakar</i> & Badariah Solemon	[PID128] Privacy Preservation Framework for Advanced Metering Infrastructure Fiza Abdul Rahim , Asmidar Abu Bakar, Salman Yussof, Roslan Ismail & Ramona Ramli	[PID39] A Process Model for Designing Information Visualization <i>Semiu Ayobami Akanmu</i> & Zulikha Jamaludin
[PID44] Adaptive Threshold-based Approach to Perfectly Detect Heart Cycle in ECG Data Mohamad Sabri Sinal & Eiji Kamioka	[PID145] Group-In-The-Loop: Architecture for Harnessing and Creating Collective Intelligence Sayed Nafiz Haider , Su-Cheng Haw & Fang-Fang Chua	[PID169] Enhance The Robustness Of Secure Rijndael Key Expansion Function based on Increment Confusion and Diffusion Bits Hassan Mansour Hussien , Zaiton Muda & Sharifah Md Yasin	[PID90] Structural Semantic Folktale Model As A Visualization Means of Structural and Semantic Relationships Between Malaysian Folktales' Classes <i>Haryizman Harun</i> & Zulikha Jamaludin
[PID131] Enhanced Dynamic Infrastructure As A Service Model (EDIAAS) for Selecting Service Provider Yazeed Alsayyed Ali Al Moaiad , Zainab Abu Bakar & Najeeb Abbas Al-Sammarai	[PID163] An Implementation Of A Near Real Time Disaster Management Hub based on Crowdsourced Data Md Nabil Ahmad Zawawi	[PID200] Email Spam Mitigations via Hybrid Metaclassifiers <i>Mi Zhiwei</i> , Manmeet Mahinderjit Singh & Zarul Fitri Zaaba	[PID62] Modelling Contents Status for IPTV Delivery Networks Suliman Mohamed Fati , Putra Sumari, Siti Sophiyati Yuhani & Nilam Nur Amir Sjarif
[PID208] A Framework of Thai Text Retrieval using Speech Paphonput Sopon , Thongpann Suksamer, Jantima Polpinij & Rapeeporn Chamchong	[PID7] A Hybrid Crowdsourcing Incentive Mechanism based on Users' Preference Aqilah Azizan , Hazleen Aris	[PID220] An Enhancement of Lightweight Encryption for Security of Biometric Fingerprint Data for Smart Home Environment Taqiyah Khadijah Ghazali & Nur Haryani Zakaria	[PID207] A Methodology of Personalized Recommendation System on Mobile Device for Digital Television Viewers <i>Chumsak Sibunruang</i> & Jantima Polpinij
[PID18] Library Advisor - An Information Management System on Standard Cell Library Lim Wei Pin , Kuay Chong Lee, Lim Kiang Leng & Nurul Hashimah Ahamed Hassain Malim	[PID176] Current State of Crowdsourcing Taxonomy Research: A Systematic Review Hazleen Aris	[PID154] Enhancing Security Elements for MapReduce Processing with Whitelist Adilah Sabtu & Nurulhuda Firdaus Mohd Azmi	[PID127] Automatic Shader Tool for 3D Animation Production in Thai Industries Khachakrit Liamthaisong , Preut Thanarat, Shongchai Ubonpheun & Manasawee Kaenamponpan

DAY 2 - PARALLEL SESSIONS D (1200-1300)

D1	D2	D3	D4
BOEING 1	BOEING 2	BOEING 3	BOEING 4
<i>Management & Engineering of IT-enabled Services</i>	<i>Educational Computing</i>	<i>Optimization Algorithms</i>	<i>Computer Systems & Networking</i>
<p>[PID214] Challenges in The Implementation of Hospital Information Systems in Malaysian Public Hospitals Nur Azzah Abu Bakar, Noraziah ChePa & Norhayati Jasin</p>	<p>[PID41] An Analysis of Gamification Elements in Online Learning to Enhance Learning Engagement Siti Nurul Mahfuzah Mohamad, Sazilah Salam & Norasiken Bakar</p>	<p>[PID160] Truck Queuing Analysis at Landfill Sites in A Waste Collection Vehicle Routing Problem <i>Aida Mauziah Benjamin, Ku Ruhana Ku-Mahamud & Zanariah Idrus</i></p>	<p>[PID140] Time Consumption Improvement of Matrix Multiplication by Hybrid Execution of Message Passing Interface and Open Multi-Processing Sajad Sajadpour, Jaspaljeet Singh Dhillon & Abdul Rahim Ahmad</p>
<p>[PID118] A Review of Knowledge Management Implementation through Cloud Computing in Malaysia Nabilah Mahmud & Sulfeeza Mohd Drus</p>	<p>[PID99] Mobile Application for Dyscalculia Children in Malaysia Mazeyanti Mohd Ariffin, Fiqa Azureen Abd Halim & Norshakirah Abd Aziz</p>	<p>[PID85] Reservoir Gate Opening Classification using Multiple Classifier System with Ant System-Based Feature Decomposition Abdullah Husin & Ku Ruhana Ku-Mahamud</p>	<p>[PID146] DLP Sponge Construction for Authenticated Encryption Baraa Tareq Hammad, Norziana Jamil, Mohd Ezanee Rusli & Muhammad Reza Zaba</p>
<p>[PID133] The 2014 Flood Disaster in Kemaman, Terengganu: Lessons from The Kemaman Experience Mohamad Firdaus Mat Saad, Aliza Abdul Latif & Marini Othman</p>	<p>[PID190] Multi-Criteria Evaluation of E-Learning Models <i>Husam Jasim Mohammed, Maznah Mat Kasim & Izwan Nizal Mohd Shahrane</i></p>	<p>[PID98] The Comparison of Internet Pricing Scheme in Multi Link Bottleneck Multi Service Network Fitri Maya Puspita, Kamaruzzaman Seman, Bachok M. Taib & Ismail Abdullah</p>	<p>[PID193] Aggressive Movement Detection using Optical Flow Features based-on Multiple Camera (Digital & Thermal Camera) Tuan Khalisah Tan Zizi @ Tuan Zizi, Suzaimah Ramli, Norulzahrah Mohd Zainudin, Nor Asiakin Hasbullah, Norshariah Abdul Wahab, Noor Afiza Mat Razali & Norazlin Ibrahim</p>
<p>[PID196] Governance of Flood Disaster Framework: A Way Forward using The Framework <i>Siti Sarah Maidin, Marini Othman & Mohamad Nazir Ahmad</i></p>	<p>[PID63] Multi-Label Classification using Label Combination to Recognize Human Activity based-on Various Sensor Positions <i>Muhammad Noorazlan Shah Zainudin, Raihani Mohamed, Md Nasir Sulaiman, Thinagaran Perumal, Norwati Mustapha & Azree Sharel Ahmad Nazri</i></p>	<p>[PID217] Exponential Smoothing Techniques on Daily Temperature Level Data <i>Noor Shahifah Muhammad & Aniza Mohamed Din</i></p>	<p>[PID24] Predictive Analytic in Health Care using Case-Based Reasoning (CBR) Sukumar Letchmunan, Zulkefli Mansor, Nikki Lee Wan Yan, Low Kah Meng & Nur Farhana Izwani Tahir</p>

DAY 2 - PARALLEL SESSIONS E (1630-1730)

E1	E2	E3	E4
BOEING 1	BOEING 2	BOEING 3	BOEING 4
<i>Web-based Systems</i>	<i>Web-based Systems</i>	<i>Optimization Algorithms</i>	<i>Software Engineering</i>
<p>[PID134] Dynamic Node Labeling Schemes for XML Updates <i>Xuan-Thuan Nguyen, Su-Cheng Haw, Samini Subramaniam & Cong-Kha Pham</i></p>	<p>[PID28] Impact of Online Games among Undergraduate Students Rubijesmin Abdul Latif, <i>Norshakirah Abdul Aziz & Mohd Taufik Abdul Jalil</i></p>	<p>[PID45] Deriving Skyline Points Over Dynamic And Incomplete Databases <i>Ghazaleh Babanejad, Hamidah Ibrahim, Nur Izura Udzir, Fatimah Sidi & Ali Amer Alwan</i></p>	<p>[PID167] Hadith Commentary Repository An Ontological Approach Amir Hamzah Jaafar & <i>Noraini Che Pa</i></p>
<p>[PID206] Model of Cyberbullying Behaviour from The Lens of Media Synchronicity Theory (MST) <i>Nurulhuda Ismail, Rahayu Ahmad, Shafiz Affendi Mohd Yusuf, & Abdul Bashah Mat Ali</i></p>	<p>[PID43] Evaluating The Quality of Private University Websites in Malaysia Rubijesmin Abdul Latif</p>	<p>[PID74] Skyline Computation of Uncertain Database: A Survey Ma'aruf Mohammed Lawal, <i>Hamidah Ibrahim, Fazlida Mohd Sani & Razali Yaakob</i></p>	<p>[PID192] Towards Sustainable Information System through Green Design Noraini Che Pa, <i>Sa'adah Hassan, Hazlina Hamdan & Faizal Abdul Karim</i></p>
<p>[PID78] PIAK: A Personalized Internet Access for Kids <i>Abrar Noor Akramin Kamarudin, Bali Ranaivo-Malancon & Nadianatra Musa</i></p>	<p>[PID211] Blockchain Sadaqa Mechanism for Disaster Aid Crowd Funding Rizal Mohd Nor, <i>M.M Hafizur Rahman, Towfiqur Rahman & Adam Abdullah</i></p>	<p>[PID79] Query Cost-Reduction for Quranic-Arabic Information Retrieval using Hexadecimal Conversion Algorithm Ahmad Akmaluddin Mazlan, <i>Norita Md Norwawi, Fauziah Abdul Wahid, Roesnita Ismail & Ashraf Al-Omoush</i></p>	<p>[PID205] Addressing Usability Quality Attributes in Mobile Quran Application-Preliminary Results <i>Ahairul Afza Abd Wahab, Azrina Kamaruddin, Sa'adah Hassan & Noraini Che Pa</i></p>
<p>[PID59] Evaluation of Localization for E-Learning Website: A Preliminary Study Aslina Baharum, <i>Punitha Turumugon, Nurul Hidayah Mat Zain, Chin Pei Yee, Salinah Dullah & Farhana Abd. Lahin</i></p>	<p>[PID100] A Barcode Scanning Mobile Application for Searching Halal Information of Food Products <i>Mohd. Nur Faiz Abd Razak & Norliza Katuk</i></p>	<p>[PID198] Smarthome and Location Positioning System (SLOPS): An Ambient Intelligences Service <i>Lim Poon Koon, Lau Khai Shien & Manmeet Mahinderjit Singh</i></p>	<p>[PID40] The Knowledge Needed for Self-Regulated Learning: Applying The Concept of Cognitive Enablers in Personal Knowledge Management Shahrinaz Ismail, <i>Siti Haryani Shaikh Ali & Mohamad Hasbullah Abu Bakar</i></p>