

GENERAL PARALLEL SESSION

Saturday, 25 November 2017				
8.30 am – 9.30 am	REGISTRATION			
Parallel Paper Presentation : Session 1				
9.30 am – 10.30 am	Parallel Session 1.1	Parallel Session 1.2	Parallel Session 1.3	Parallel Session 1.4
	Ballroom	Intan 1	Intan 2	Intan 3
	Artificial Intelligent and Optimization	Intelligent and Information Systems	Telecommunication	Power Engineering
10.30 am – 11.00 am	<i>Refreshments</i>			
11.00 am – 1.00 pm	OPENING CEREMONY Venue: BALLROOM KEYNOTE SPEECH 1 Title: Computing and the UN Sustainable Development Goals Speaker : Prof. Dr. Michael L. Best			
1.00 pm – 2.00 pm	<i>Lunch Break</i>			
2.00 pm – 3.00 pm	KEYNOTE SPEECH 2 Venue: BALLROOM Title: Cognitive Computing: The New Digital Frontier Speaker : Mr. Freddy Lee Chin Yeow			
3.00 pm – 3.30 pm	<i>Refreshments</i>			
Parallel Paper Presentation : Session 2				
3.30 pm – 5.30 pm	Parallel Session 2.1	Parallel Session 2.2	Parallel Session 2.3	Parallel Session 2.4
	Ballroom	Intan 1	Intan 2	Intan 3
	Service Science, Social Media and Human Computer Interaction	E-Learning, Learning Systems and Gamification	Electronics and Microelectronics Engineering	Bioinformatics and Biomedical Engineering
8.00 pm – 10.00 pm	CONFERENCE DINNER			

Sunday, 26 November 2017				
Parallel Paper Presentation : Session 3				
8.30 am – 10.30 am	Parallel Session 3.1 Ballroom	Parallel Session 3.2 Intan 1	Parallel Session 3.3 Intan 2	Parallel Session 3.4 Intan 3
	Telecommunication	Telecommunication, Electronics and Power Engineering	Software Engineering	Applied Informatics and Natural Language Processing
10.30 am – 11.0 am	<i>Refreshments</i>			
11.00 am – 12.00 pm	<p>KEYNOTE SPEECH 3 Venue: BALLROOM</p> <p>Title : Opinion Summarization: State-of-the-Art, Challenges and Opportunities</p> <p>Speaker : Prof. Ir. Dwi H. Widiantoro</p>			
Parallel Paper Presentation : Session 4				
12.00 pm – 1.00 pm	Parallel Session 4.1 Ballroom	Parallel Session 4.2 Intan 1	Parallel Session 4.3 Intan 2	Parallel Session 4.4 Intan 3
	Human Computer Interaction	Membrane Computing, Image and Speech Processing	Information Retrieval and Sentiment Analysis	Information Systems and Green IT
1.00 pm – 2.00 pm	<i>Lunch Break</i>			
2.00 pm – 3.00 pm	<p>KEYNOTE SPEECH 4 Venue: BALLROOM</p> <p>Title : Innovative Design Thinking for Future Society</p> <p>Speaker : Prof. Dr. Yukari Nagai</p>			
3.00 pm – 3.30 pm	<i>Refreshments</i>			
Parallel Paper Presentation : Session 5				
3.30 pm – 5.30 pm	Parallel Session 5.1 Ballroom	Parallel Session 5.2 Intan 1	Parallel Session 5.3 Intan 2	Parallel Session 5.4 Intan 3
	Cyber Security and Network Security	Game Application, Multimedia and Augmented Reality	Information Systems, E-Learning and Multimedia	Power Engineering

**DETAILED PARALLEL SESSION
PARALLEL SESSION 1**

1:1 Day 1 (Saturday, 25 November 2017) : BALLROOM		
Chairperson : Muhammad Taimoor Khan		
Artificial Intelligent and Optimization		
9.30 am – 9.45 am	60	Muhammad Taimoor Khan and Shezad Khalid Paradigmatic and Syntagmatic Rule Extraction for Lifelong Machine Learning Topic Models
9.45 am – 10.00 am	86	Felix Riady Tanamas and I Gusti Bagus Baskara Nugraha Off-Street Parking Space Allocation and Reservation System Using Event-Driven Algorithm
10.00 am – 10.15 am	146	Candy Olivia Mawalim, Dessi Puji Lestari and Ayu Purwarianti POS-based Reordering Rules for Indonesian–Korean Statistical Machine Translation
10.15 am– 10.30 am	112	Zulhairi Mi Yusuf, Haza Nuzly Abdull Hamed, Lizawati Mi Yusuf and Mohd Adham Isa Evolving Spiking Neural Network (ESNN) nad Harmony Search Algorithm (HAS) for Parameter Optimization

1:2 Day 1 (Saturday, 25 November 2017) : INTAN 1		
Chairperson : Asrul Asat		
Intelligent and Information Systems		
9.30 am – 9.45 am	32	Asrul Asat, Amirul Faizal Mahat, Rosilah Hassan and Amjed Sid Ahmed Development of Dengue Detection and Prevention System (Deng-E) based upon Open Data in Malaysia
9.45 am – 10.00 am	145	Arwin Datumaya Wahyudi Sumari and Adang Suwandi Ahmad Knowledge-Growing System: The Origin of the Cognitive Artificial Intelligence
10.00am – 10.15 am	147	Dessi Puji Lestari and Riandy Rahman Nugraha A Spoken-Based Question Answering System for Train Route Service using the Frame-Based Approach
10.15 am – 10.30 am	166	Khairul Azmi Abu Bakar and Aina Diana Mohamed Tarmizy Development of iDispatch System

1:3 Day 1 (Saturday, 25 November 2017) : INTAN 2		
Chairperson : Natya Taniarza		
Telecommunication		
9.30 am – 9.45 am	9	Natya Taniarza and Saiful Akbar Anomalous Trajectory Detection from Taxi GPS Traces Using Combination of iBAT and DTW
9.45 am – 10.00 am	22	Trio Adiono and Renitia Murti Rahayu

		Zigbee Baseband Hardware Modelling for Internet of Things IEEE 802.15.4 Compliance
10.00am – 10.15 am	37	Riza Satria Perdana, Benhard Sitohang and Andriyan Suksmono A Survey of Graphics Processing Unit (GPU) Utilization for Radar Signal and Data Processing System
10.15 am – 10.30 am	106	Umar Khayam and Fendi Imam Fatoni Fatoni Design and Application of Loop Antenna for Partial Discharge Induced Electromagnetic Wave Detection

1:4 Day 1 (Saturday, 25 November 2017) : INTAN 3		
Chairperson : Grzegorz Benysek		
Power Engineering		
9.30 am – 9.45 am	8	Grzegorz Benysek, Marcin Jarnut, Robert Smolenski and Jacek Bojarski A Comparative Study on DSM Services Employing Distributed Energy Resources: Energy Storage and Direct Load Control
9.45 am – 10.00 am	11	Maaspaliza Azri, Nur Hidayah Abu Khanipah, Ayu Nurfatika Abdul Mubin, Muhammad Zuhairi Che Zukeri, Zulkifilie Ibrahim and Nasruddin Abd Rahim Development of PEMFC Emulator Using Electrical Equivalent Circuit
10.00am – 10.15 am	168	Reynaldo Zoro and Hira Laksmiwat Improvement of Lightning Protection System for Transmission and Distribution Lines in High Lightning Density Area
10.15 am – 10.30 am	169	Reynaldo Zoro and Bryan Denov Lightning Protection System for Oil and Gas Installation Case on Cilacap Area at Central Java, Indonesia

PARALLEL SESSION 2

2:1 Day 1 (Saturday, 25 November 2017) : BALLROOM		
Chairperson : Emy Salfarina Alias		
Service Science, Social Media and Human Computer Interaction		
3.30 pm – 4.00 pm		INVITED PAPER 1 Serious Games for Effective Learning Iping Supriana , Ririn Agustin, Marini Abu Bakar and Nor Azan Mat Zin
4.00 pm – 4.15 pm	182	Emy Salfarina Alias, Muriati Mukhtar and Ruzzakiah Jenal Embedding Key User Values for the Adoption of Unified Communication and Collaboration Service
4.15 pm – 4.30 pm	29	Anastasia R. Adellina, Suhardi, Marini Wulandari, Jaka Sembiring and Leonardi P. Hasugian Service Innovation for a Sustainable Fuel Supply Using Cyber Physical Social System Technology
4.30 pm – 4.45 pm	47	Anastasia R. Adellina, Suhardi, Novianto Budi Kurniawan and Jaka Sembiring Dependability Model of Service Computing System
4.45 pm – 5.00 pm	188	Nora Shafinaz Saedun and Ibrahim Mohamed Measuring Employee Value of IT Staff in Banking Sector Through Value Profit Chain Variables
5.00 pm -5.15 pm	104	Kairulanuar Ab Kadir, Noraidah Sahari and Juhana Salim Initial Model of Social Media Islamic Information Credibility
5.15 pm– 5.30 pm	132	Haleema Awan and Abdullah Mohd Zin Framework and Architecture of an Interactive Multi-User Meeting Tabletop Based on Intuitive Gesture Recognition

2:2 Day 1 (Saturday, 25 November 2017) : INTAN 1		
Chairperson : Nor Aziah Daud		
E-Learning, Learning Systems and Gamification		
3.30 pm – 3.45 pm	83	Nor Aziah Daud, Fauziah Redzuan, Zan Azma, Noraidah Sahari Ashaari and Zurina Muda Persuasive Web Design for Online Islamic Education
3.45 pm – 4.00 pm	93	Yusep Rosmansyah, Nunung Kartikasari and Aciek Ida Wuryandari Learning Analytics for Monitoring and Improving Students' Learning Process
4.00 pm – 4.15 pm	109	Yusep Rosmansyah and Herdi Ashaury A 3D Multiuser Virtual Learning Environment nad Learning Management Systems
4.15 pm – 4.30 pm	102	Yoanes Bandung, Dion Tanjung and Luki Bangun Subekti Design of mLearning Application with Video Conference System for Higher

		Education
4.30 pm – 4.45 pm	175	Zaid Haron Musa Jawasreh, Noraidah Sahari Ashaari and Dahlila Putri Dahnil Sikumbang Braille Tutorial Model using Braille Fingers Puller
4.45 pm – 5.00 pm	187	Leila Moradi, Ibrahim Mohamed and Yazrina Yahya Relationship Between E-training in Virtual Team and IT Project Performance with the Mediation Role of Organizational Commitment in E-tourism
5.00 pm -5.15 pm	179	Rodziah Latih, Marini Abu Bakar, Norleyza Jailani, Noorazeen Mohd. Ali, Syahanim Mohd Salleh and Abdullah Mohd Zin PC2 to Support Instant Feedback and Good Programming Practice
5.15 pm– 5.30 pm	162	Daniar Heri Kurniawan and Yani Widayani Sci-Learn: A Novel E-Learning Platform Based on Gamification and Social Media Approach

2:3 Day 1 (Saturday, 25 November 2017) : INTAN 2		
Chairperson : Muhammad Amien Sulthoni		
Electronics and Microelectronics Engineering		
3.30 pm – 3.45 pm	49	Muhammad Amien Sulthoni, Bima Sahbani, Hasbi Ash Shiddieqy and Lindawani Siregar Study on First Generation Super Flash Memory Cell Fabrication using Liffoff Techniques and Its Performance in Floating Gate and Gate Oxide Thickness Scaling
3.45 pm – 4.00 pm	64	Rinaldi Munir Comparison of Secret Color Image Sharing Based on XOR Operation in RGB and YCbCr Color Model
4.00 pm – 4.15 pm	99	Mohd Faisal Ibrahim, Farhan Zulkifli, Mohamad Rafiq Husaini Mohd Nizam, Aqilah Baseri Huddin and Aini Hussain An RGB-D Visual Feedback Controller for a Differential Drive Attachable Wheel System
4.15 pm – 4.30 pm	70	Shamsiah Suhaili and Takahiro Watanabe Design of High-Throughput SHA-256 Hash Function based on FPGA
4.30 pm – 4.45 pm	75	Xinglin Shen, Zhiyong Song, Hongqi Fan and Qiang Fu Particle filter Implementation of CPHD Filter for Unknown Clutter
4.45 pm – 5.00 pm	69	Trio Adiono, Suksmandhira Harimurti and Grasia Meliolla Design and Simulation of Hafnium Dioxide Based Charge Trapping Flash Memory Device
5.00 pm -5.15 pm	153	Tri Wahyu Oktaviana Putri, Muhammad Fadhil Ginting, Bambang Riyanto Trilaksono, Egi Muhammad Idris Hidayat and Muhammad Faisal Sagala Hardware in the Loop Simulation Development of Guidance System for Autonomous Underwater Glider
5.15 pm– 5.30 pm	155	Audinata Ibrahim Sitaba, Bambang Riyanto Trilaksono, Egi Muhammad Idris Hidayat

		and Muhammad Faisal Sagala Communication System and Visualization of Sensory Data and HILS in Autonomous Underwater Glider
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2:4 Day 1 (Saturday, 25 November 2017) : INTAN 3		
Chairperson : Nabilah Ibrahim		
Bioinformatics and Biomedical Engineering		
3.30 pm – 3.45 pm	4	Nabilah Ibrahim, Muhammad Haniff S M Johan and Wan Mahani Hafizah Wan Mahmud Assessment on Blood Flow Velocity at Left Ventricle for Diastolic Function Diagnosis
3.45 pm – 4.00 pm	17	Izyani Mat Rusni and Alyani Ismail Aligned Gap Multiple Split Ring Resonator Biosensor for DNA Hybridization Detection at Microwave Frequency
4.00 pm – 4.15 pm	21	Pratik Dubal, Sankirtan Bhatt, Chaitanya Joglekar and Sonali Patil Skin Cancer Detection and Classification
4.15 pm – 4.30 pm	113	Hasballah Zakaria and Tati L Mengko Endothelial Dysfunction Assessment by Finger Photoplethysmogram
4.30 pm – 4.45 pm	184	Rosmina Jaafar and Mohd Aliff Azroy Rozali Estimation of Breathing Rate and Heart Rate from Photoplethysmogram
4.45 pm – 5.00 pm	177	Ling Chei Siong, Wan Mimi Diyana Wan Zaki, Aini Hussain, Wan Siti Halimatul Munirah Wan Ahmad and Erica Yee Hing Shape Based Image Retrieval System for MRI Spine
5.00 pm -5.15 pm	119	Catherine Olivia Sereati, Arwin Datumaya Wahyudi Sumari, Trio Adiono and Adang Suwandi Ahmad Cognitive Artificial Intelligence (CAI) Software based on Knowledge Growing System (KGS) for Diagnosing Heart Block and Arrhythmia
5.15 pm– 5.30 pm	148	Aqilah Baseri Huddin, Effa Adrina Azli, Mohd Faisal Ibrahim and Salina Abdul Samad Mass Classification in Mammograms Using Neural Network

PARALLEL SESSION 3

3:1 Day 2 (Sunday, 26 November 2017) : BALLROOM		
Chairperson : Mahmoud Alawi		
Telecommunication		
8.30 am – 9.00 am		INVITED PAPER 2 The Effect of Multihop Hierarchical Transmissions on Packet Delivery for Zigbee Wireless Communication Dahlila Putri Dahnil, Supiah Selamat and Reza Darmakusuma
9.00 am –9.15 am	28	Mahmoud Alawi, Raed Alsaqour, Elankovan Sundararajan and Mahamod Ismail QoS-enable Gateway Selection Algorithm in Heterogeneous Vehicular Network
9.15 am – 9.30 am	30	Mahmoud Alawi, Raed Alsaqour, Elankovan Sundararajan and Mahamod Ismail Gateway Selection Techniques in Heterogenous Vehicular Network: Review and Challenges
9.30 am -9.45 am	52	Zulaiha Ali Othman, Noraini Ismail and Mohd Talib Latif Association Pattern of NO ₂ and NMHC towards High Ozone Concentration in Klang
9.45 am – 10.00 am	53	Zulaiha Ali Othman, Noraini Ismail and Mohd Talib Latif Association Rules of Temperature towards High and Low Ozone in Putrajaya
10.00 am – 10.15 am	56	Md. Naimur Rahman, Mohammad Tariqul Islam, Norbahiah Misran and Md. Samsuzzaman A Tuning Fork-Shaped Microstrip Patch Antenna for X-Band Satellite and Radar Applications
10.15 am – 10.30 am	77	Asif Ali Wagan and Low Tang Jung Multilevel Hybrid Mobility Management Scheme for Network Mobility
3:2 Day 2 (Sunday, 26 November 2017) : INTAN 1		
Chairperson : Salina Muhamad		
Telecommunication, Electronics and Power Engineering		
8.30 am – 8.45 am	7	Salina Muhamad, Nor Farahaida Abdul Rahman and Mohamad Rusop Mahmood Schottky Barrier Height of Au/Aligned ZnO Nanorod Arrays/Mg _{0.3} Zn _{0.7} O at Various Metal Depositions Ambient
8.45 am – 9.00 am	34	Nik Shahidah Afifi Taujuddin, Rosziati Ibrahim, Suhaila Sari and Saima Anwar Lashari Image Compression using Wavelet-based Thresholding Technique for Human Visual System (HVS) Improvement
9.00 am –9.15 am	122	Noor Ezan Abdullah, Nina Korlina Madzhi, Hadzli Hashim, Muhammad Azeen Abu Hassan, Anis Diyana Rosli, Faridatul Aima Ismail, Ummu Raihan Yussuf and A'Zraa Afhzan Ab Rahim Empirical Evidence on Identification of RRIM Latex Timber Clone (LTC) Series based on VIS – NIR Optical Sensing for Medium Harvesting Season

9.15 am – 9.30 am	163	M.Z. Zulkefli, N. Rusli, N.A. Hashim, J.J. Jamian and Mohd Noor Abdulla Investigation of Solar Photovoltaic Performance Via Cooling-Light Concentrating And Cleaning System Using Robotic Arduino Approach
9.30 am -9.45 am	10	Fri Murdiya and Febrizal The Performance Surface Barrier Discharge in Magnetic Field Driven By Series Resonance Converter
9.45 am – 10.00 am	20	Molla Shahadat Hossain Lipu, Aini Hussain, M A Hannan and M H M Saad Optimal Neural Network Approach for Estimating State of Energy of Lithium-ion Battery Using Heuristic Optimization Techniques
10.00 am – 10.15 am	63	Md. Amanath Ullah, Touhidul Alam, Norbahiah Misran and Mohammad Tariqul Islam A 3D Directional Antenna for S Band Small Satellite Communication System
10.15 am – 10.30 am	151	Ibrahim Abba, Wan Azlan Wan Z. Abidin, Thelaha Masri and Bong Voon Pai An Optimized Experimental Methodology for L-Band Signal Propagation Sentences Evaluation

3:3 Day 2 (Sunday, 26 November 2017) : INTAN 2

Chairperson : Mashal Alqudah

Software Engineering

8.30 am – 8.45 am	48	Mashal Alqudah and Rozilawati Razali A Review of SCRUM and Kanban for Identifying their Selection Factors
8.45 am – 9.00 am	58	Najia Saher, Fauziah Baharom and Osman Ghazali Requirement Change Taxonomy and Categorization in Agile Software Development
9.00 am –9.15 am	66	Saba Bashir, Usman Qamar, Farhan Hassan Khan, Syed Ali Hassan, Sana Talha and Ammara Manzoor Probabilistic Test Case Prioritization from Activity Diagram using Parameter Space and Markov chain
9.15 am – 9.30 am	78	Nur Hani Zulkifli Abai, Jamaiah Yahaya and Aziz Deraman The Determinants of Business Intelligence and Analytics in Organizational Performance Process
9.30 am -9.45 am	90	Imam Kurniawan, Arry Akhmad Arman and Sukrisno Mardiyanto Development of Analogy-Based Estimation Method for Software Development Cost Estimation in Government Agencies
9.45 am – 10.00 am	143	Azlina Abd Hamid and Zulkefli Mansor Application of RASCH Measurement Model in Determining Weight of Readiness for Client's Organization in Malaysian Software Outsourcing
10.00 am – 10.15 am	161	Rossilawati Sulaiman, Zarina Shukur and Hani Saeed Mohammed Ghaleb Implementation Of AES Algorithm in QGIS Software

10.15 am – 10.30 am	172	Intisaar Said, Zarina Shukur and Muhammad Azwan Ibrahim A Certification Criteria for Software Of Measuring Instruments Based on Malaysian Environment
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3:4 Day 2 (Sunday, 26 November 2017) : INTAN 3		
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Chairperson : Wan Azlin Zurita Wan Ahmad		
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Applied Informatics and Natural Language Processing		
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8.30 am – 8.45 am	13	Wan Azlin Zurita Wan Ahmad, Muriati Mukhtar and Yazrina Yahya Validating the contents of a Social Content Management Framework
8.45 am – 9.00 am	36	Punia Turiman, Kamisah Osman and Tengku Siti Meriam Tengku Wook Digital Age Literacy Proficiency Among Science Preparatory Course Students
9.00 am –9.15 am	97	Hendra Sandhi Firmansyah, Suhono Harso Supangkat, Arry Akhmad Arman and Yuti Ariani Identifying Component for Building Smart City Maturity Model Through Document Based Weighthing and City Problem in Indonesia
9.15 am – 9.30 am	126	Sabrina Tiun Malay Short Text Classification
9.30 am -9.45 am	181	Bassam Al-Salemi, Masri Ayob, Shahrul Azman Noah and Mohd Juzaidin Ab Aziz Feature Selection based on Supervised Topic Modeling Toward for Boosting-Based Multi-Label Categorization
9.45 am – 10.00 am	189	Lailatul Qadri Zakaria and Soad Saleh A Hybrid Method of Rule-Based Approach and Statistical Measures for Recognizing Narrators Name in Hadith
10.00 am – 10.15 am		
10.15 am – 10.30 am		

PARALLEL SESSION 4

4:1 Day 2 (Sunday, 26 November 2017) : BALLROOM		
Chairperson : Syazwan Noordin		
Human Computer Interaction		
12.00 pm – 12.30 pm		INVITED PAPER 3 Implementation of Digital Campus in Fostering Campus Sustainability Haslina Arshad, Trio Adiono, Nur Afyfh Suwadi and Ruzzakiah Jenal
12.30 pm – 12.45 pm	33	Syazwan Noordin, Noraidah Sahari and Tengku Siti Meriam Tengku Wook Virtual Fitting Room: The Needs for Usability and Profound Emotional Elements
12.45 pm – 1.00 pm	51	Nor Hidayah Hussain, Tengku Siti Meriam Tengku Wook, Siti Fadzilah Mat Noor and Hazura Mohamed Multi-Touch Gestures in Multimodal Systems Interaction Among Preschool Children

4:2 Day 2 (Sunday, 26 November 2017) : INTAN 1		
Chairperson : Muhamad Lazim Bin Talib		
Membrane Computing, Image and Speech Processing		
12.00 pm – 12.15 pm	87	Muhamad Lazim Bin Talib, Mohammad Faidzul Nasrudin and Siti Norul Huda Sheikh Abdullah Scattered Particles Removal in Single Image Based on Illumination Information
12.15 pm – 12.30 pm	125	Ravie Chandren Muniyandi and Elankovan Sundararajan Using Graphics Processing Unit to Accelerate Simulation of Membrane Computing
12.30 pm – 12.45 pm	164	Fadhilah Rosdi, Mumtaz Begum Mustafa and Siti Salwah Salim Assessing Automatic Speech Recognition in Measuring Speech Intelligibility: A Study of Malay Speakers with Speech Impairments
12.45 pm – 1.00 pm		

4:3 Day 2 (Sunday, 26 November 2017) : INTAN 2		
Chairperson : Basel Deeb		
Information Retrieval and Sentiment Analysis		
12.00 pm – 12.15 pm	25	Basel Deeb and Kamsuriah Ahmad Feature Selection for Chemical Compound Extraction Using Wrapper Approach with Naïve Bayes Classifier
12.15 pm – 12.30 pm	89	Mohd Amir Mohd Azir and Kamsuriah Ahmad Wrapper Techniques for Web Data Extraction : A Review
12.30 pm – 12.45 pm	115	Mohd Zabidin Husin, Saidah Saad and Shahrul Azman Mohd Noah Syntactic Rule-Based Approach for Extracting Concepts from Quranic Translation

		Text
12.45 pm – 1.00 pm	14	Farhan Hassan Khan, Usman Qamar and Saba Bashir Understanding Twitter Mood using Multi-Dimensional Sentiment Analysis Techniques

4:4 Day 2 (Sunday, 26 November 2017) : INTAN 3		
Chairperson : Saleh Alenazi		
Information Systems and Green IT		
12.00 pm – 12.15 pm	15	Saleh Alenazi, Kamsuriah Ahmad and Akeem Olowolayemo A Review of Similarity Measurement for Record Duplicate Detection
12.15 pm – 12.30 pm	120	Arry Akhmad Arman and Andra Wahyu Purnomo Development of Data Architecture Development Guidelines for Small Enterprise using TOGAF
12.30 pm – 12.45 pm	183	Azlina Ab Aziz, Zawiyah M Yusof, Umi A Mohktar and Dian I Jambari The Determinant Factors of Electronic Document and Records Management System (EDRMS) in Public Sector: A UTAUT-based Conceptual Model
12.45 pm – 1.00 pm	129	Sazrina Ramli, Dian Indrayani Jambari and Umi Asma' Mokthar A Framework Design for Sustainability of Green Data Center

PARALLEL SESSION 5

5: 1 Day 2 (Sunday, 26 November 2017) : BALLROOM		
Chairperson : Arash Ghazvini		
Cyber Security and Network Security		
3.30 pm – 4.00 pm		INVITED PAPER 4 Grand Challenge for Cyber Security: Securing Critical Systems for the Protection of National Digital Assets Zarina Shukur and Masnizah Mohd
4.00 pm– 4.15 pm	167	Arash Ghazvini and Zarina Shukur Review of Information Security Guidelines for Awareness Training Program in Healthcare Industry
4.15 pm – 4.30 pm	171	Norhafizah Abu Bakar, Masnizah Mohd and Rossilawati Sulaiman Information Leakage Preventive Training
4.30 pm – 4.45 pm	174	Islahuddin Jalal, Zarina Shukur and Mohd Rosmadi Mokhtar 3C-CSIRT MODEL A Sustainable National CSIRT for Afghanistan
4.45pm – 5.00 pm	27	Amjed Sid Ahmed, Rosilah Hassan and Nor Effendy Othman Secure Neighbor Discovery (Send): Attack and Challenge
5.00 pm –5.15 pm		
5.15 pm – 5.30 pm		

5:2 Day 2 (Sunday, 26 November 2017) : INTAN 1		
Chairperson : Shahryan Alserri		
Game Application, Multimedia and Augmented Reality		
3.30 pm – 3.45 pm	62	Shahryan Alserri, Nor Azan Mat Zin and Tengku Siti Meriam Tengku Wook Gender-Based Engagement Model for Designing Serious Games
3.45 pm – 4.00 pm	81	Ahmed Elaklounk and Nor Azan Mat Zin Design and Usability Evaluation of Rehabilitation Gaming System for Cognitive Deficiencies
4.00 pm– 4.15 pm	92	Saffa Raihan Zainal Abidin, Siti Fadzilah Mat Noor and Noraidah Sahari Guidelines of Brain-based Learning through Serious Game for Slow Reader Students
4.15 pm – 4.30 pm	94	Atifah Marzuki, Siti Fadzilah Mat Noor, Tengku Siti Meriam Tengku Wook and Wan Salwina Wan Ismail Review of Computerized Cognitive Behavioral Therapy for Depression in Adolescents
4.30 pm – 4.45 pm	134	Firas Layth Khaleel, Noraidah Sahari Ashaari, Tengku Siti Meriam Tengku Wook and Amirah Ismail

		Gamification-Based Learning Framework for a Programming Language
4.45pm – 5.00 pm	136	Firas Layth Khaleel, Noraidah Sahari Ashaari, Tengku Siti Meriam Tengku Wook and Amirah Ismail Methodology for Developing Gamification-Based Learning Programming Language Framework
5.00 pm –5.15 pm	138	Kazuyo Iwamoto A Study on Instruction of Three Dimensional Motion for Manufacturing Support using Augmented Reality
5.15 pm – 5.30 pm		

5:3 Day 2 (Sunday, 26 November 2017) : INTAN 2		
Chairperson : Xiaofei Yang,		
Information Systems, E-Learning and Multimedia		
3.30 pm – 3.45 pm	178	Xiaofei Yang, Masri Ayob and Mohd Zakree Ahmad Nazri An Investigation of Timetable Satisfaction Factors for A Practical University Course Timetabling Problem
3.45 pm – 4.00 pm	159	Nadia Akma Ahmad Zaki, Tengku Siti Meriam Tengku Wook and Kartini Ahmad A Usability Testing of ASAH-i for Children with Speech and Language Delay
4.00 pm– 4.15 pm	131	Alaa Sulaiman, Khairuddin Omar and Mohammad Nasrudin A Database for Degraded Arabic Historical Manuscripts
4.15 pm – 4.30 pm	130	Badrulhisham Baharuddin and Maryati Mohd Yusof Risk Management Practices for Information System Projects in The Public Sector
4.30 pm – 4.45 pm	156	Asnida Abu Bakar, Tengku Siti Meriam Tengku Wook and Noraidah Sahari The Development of E-Learning User Engagement Framework for Adult Learners
4.45pm – 5.00 pm	165	Aniza Othman, Tengku Siti Meriam Tengku Wook and Shereena M. Arif The Analysis of Colour Appearance Categories of Landscape Paintings for Malaysian Users
5.00 pm –5.15 pm		
5.15 pm – 5.30 pm		

5:4 Day 2 (Sunday, 26 November 2017) : INTAN 3		
Chairperson : Mojtaba Abbasi		
Power Engineering		
3.30 pm – 3.45 pm	23	Mojtaba Abbasi and Alexander Grigoryevich Garganeev Hybrid Microgrids in Islanded Operation Mode
3.45 pm – 4.00 pm	39	Fadi M. Albatsh, Shameem Ahmad, Bazilah Ismail, Lilik J. Awal, Ibrahim Alhamrouni and Kanendra Naidu

		Implementation of UPFC Based On Fuzzy Logic Controller to Resolve Power Quality Issues in Transmission Network
4.00 pm– 4.15 pm	55	Siti Noormiza Mat Isa, Maaspaliza Azri, Zulkifilie Ibrahim, Marizan Sulaiman, Md Hairul Nizam Talib, Quek Li Meng, Nasrudin Abd Rahim and Nur Hidayah Abu Khanipah Experimental Investigation on Scaling Factor of Fuzzy Logic Speed Control for Induction Motor Drives
4.15 pm – 4.30 pm	65	Fazlli Patkar, Auzani Jidin, Emil Levi and Martin Jones Performance Comparison of Symmetrical and Asymmetrical Six-phase Open-end Winding Drives with Carrier-based PWM
4.30 pm – 4.45 pm	110	Mohd Noor Abdullah, Nur Lyanie Abdullah and J.J Jamian Optimal Power Generation in Microgrid System using Firefly Algorithm
4.45pm – 5.00 pm	141	Sen Wang, Jun Xue, Yafeng Li, Yongchang Meng and Bo Zhang Impulse Performance of Underground Insulating Wall near Grounding Device under Lightning Strike
5.00 pm –5.15 pm	176	Salisu Lawan, Wan Azlan Wan Zainal Abidin, Sirajo Lawan Bichi, Amina Muhammad Lawan and Ibrahim Abba The Potential of Topographical Feedforward Neural Network (T-FFNN) Technique in Monthly Wind Speed and Direction Prediction
5.15 pm – 5.30 pm		