

SCHEDULE – PAPER PRESENTATION
4th World Congress on Information and Communication Technologies

IEEE PROCEEDINGS

8th December, Monday - Parallel Session 1 : (Room 1)	
IEEE PROCEEDING	
Chair : Waskitho Wibisono	
Session : Abstraction Problem	
12.00 noon – 12.20 pm	A novel approach to the design and implementation of mutation operators for Object-Oriented programming language <i>Qianqian Wang and Hirohide Haga.</i>
12.20 pm – 12.40 pm	Condensing Reverse Engineered Class Diagrams through Class Name Based Abstraction <i>Mohd Hafeez Osman, Michel Chaudron, Peter van der Putten and Truong Ho-Quang.</i>
12.40 pm – 1.00 pm	Semantic Abstraction of Class Diagram Using Logical Approach <i>Nuraini Abdulganiyyi and Noraini Ibrahim.</i>

8th December, Monday - Parallel Session 1 : (Room 2)	
IEEE PROCEEDING	
Chair : Halizah Basiron	
Session : Interesting Pattern mining	
12.00 noon – 12.20 pm	UniMiner: Towards a Unified Framework for Data Mining <i>Muhammad Habib Ur Rehman, Liew Chee Sun and Teh Ying Wah.</i>
12.20 pm – 12.40 pm	Stock Trend Prediction Relying on Text Mining and Sentiment Analysis with Tweets <i>Phayung Meesad and Jiajia Li.</i>
12.40 pm – 1.00 pm	An Improved Deep Learning-based Approach for Sentiment Mining <i>Nurfadhliina Mohd Sharef and Mohammad Yasser Shafazand.</i>

8th December, Monday - Parallel Session 1 : (Room 3)	
IEEE PROCEEDING	
Chair : Vitaliy Mezhujev	
Session : 3D Representation Analysis	
12.00 noon – 12.20 pm	Rotation Analysis of Moment Invariant for 2D and 3D Shape Representation for Molecular Structure of ATS Drugs <i>Siti Asmah Bero, Azah Kamilah Muda, Yun-Huoy Choo, Noor Azilah Muda and Satria Fajri Pratama.</i>
12.20 pm – 12.40 pm	The Effectiveness of 3D Approach in Development of 3D-Atomic Cubic Courseware <i>Norasiken Bakar, Faaizah Shahbodin and Nuraziera Mohd Hatta.</i>
12.40 pm – 1.00 pm	Analysis and Evaluation of SURF Descriptors for Automatic 3D Facial Expression Recognition Using Different Classifiers <i>Amal Azazi, Syaheerah Lebai Lutfi and Ibrahim Venkat.</i>

8th December, Monday - Parallel Session 1 : (Room 4)	
IEEE PROCEEDING	
Chair : Syarifah Sakinah Syed Ahmad	
Session : Feature Selection & Analysis	
12.00 noon – 12.20 pm	Feature and Instances Selection for Nearest Neighbor Classification via Cooperative PSO <i>S. Sakinah S. Ahmad.</i>
12.20 pm – 12.40 pm	Effect of Alcohol on Suprasegmental Features of Voice <i>Ganesh W. Wakista, Sachie J. Abhayarathne, Gihan T. Mendis, Shiromi M.K.D. Arunatileka, Damitha K. Sandaruwan, Sameera A. Gunawardena and Ravindra Fernando.</i>
12.40 pm – 1.00 pm	An Interval Type-2 Fuzzy System with Hybrid Intelligent Learning <i>Phayung Meesad.</i>

8th December, Monday - Parallel Session 1 : (Room 5)	
IEEE PROCEEDING	
Chair : Mohamad Suryanata	
Session : POSTER PRESENTATION	
12.00 noon – 1.00 pm	A Cloud-Based Solution For Information And Communication Design Iterations <i>Purva Mujumdar, J. Uma Maheswari and Amrit Kumar</i>
	A New Hybrid Password Authentication System <i>Muhammad Irzan Nazri, Yean Li Ho, Afizan Azman and Siong Hoe Lau</i>
	Multi-Modality Ontology and Text-Based Image Query Interface For Semantic-Based Image Retrieval <i>Mohd Suffian Sulaiman, Sharifalillah Nordin and Nursuriati Jamil</i>
	An Efficient Approach for Fingerprint Recognition using Gabor Filter-Bank Based Fingerprint Matching <i>Einaz Azzoubi and Rosziati Ibrahim</i>

9 th December, Tuesday - Parallel Session 3 : (ROOM 1)	
IEEE PROCEEDING	
Chair : Norashikin Ahmad	
Session : Bioinformatics & Optimization Strategies	
9.30 am – 10.30 am	De-noising Analysis of Mammogram Images in the Wavelet Domain using Hard and Soft Thresholding <i>Saima Anwar Lashari, Rosziati Ibrahim and Norhalina Senan.</i>
9.50 am – 10.10 am	A Bee Colony Optimization with Automated Parameter Tuning for Sequential Ordering Problem <i>Moon Hong Wun, Li-Pei Wong, Ahamad Tajudin Khader and Tien-Ping Tan.</i>
10.10 am – 10.30 am	An Efficient Multi Join Query Optimization for DBMS Using Swarm Intelligent approach <i>Ahmed Khalaf, Prof. Dr. Rozaida Bt. Ghazali Bt. Ghazali and Mustafa Bin Mat Deris Bin Mat Deris.</i>
10.30 am – 10.50 am	Single Channel sEMG Muscle Fatigue Prediction An Implementation using Least Square Support Vector Machine <i>Nur Shidah Ahmad Sharawardi, Yun-Huoy Choo, Shin-Horng Chong, Azah Kamilah Muda and Ong Sing Goh.</i>
10.50 am – 11.50 am	Android Malware Classification Using Static Code Analysis and Apriori Algorithm Improved with particle swarm optimization <i>Olawale Surajudeen Adebayo and Normaziah Abdul aziz.</i>
11.50 am – 12.10 pm	Emotion Detection with Hybrid Voice Quality and Prosodic Features using Neural Network <i>Inshirah Idris and Md Sah Hj Salam.</i>
12.10pm – 12:30pm	Development and application of FORTU-FEM Computer-Aided Design System <i>Vitaliy Mezhyuev and Vladimir Lavrik.</i>

9 th December, Tuesday - Parallel Session 3 : (ROOM 2)	
IEEE PROCEEDING	
Chair : Zurina Saa'ya	
Session : Information Systems & Security Research (i-Seru)	
9.30 am – 10.30 am	Sequential Graphical Password Framework for Mobile Devices <i>Tze Hui Liew, Housam Khalifa Bashier, Siong Hoe Lau, Kuokkwee Wee and Mohd Fikri Azli Abdullah.</i>
9.50 am – 10.10 am	A Proposed Taxonomy of Assets for Information Security Risk Assessment (ISRA) <i>Palaniappan Shamala and Rabiah Ahmad.</i>
10.10 am – 10.30 am	Secured data partitioning in multi cloud environment <i>Hazila Hasan and Suriayati Chuprat.</i>
10.30 am – 10.50 am	Network Survivability Analysis Modeling Approach for MANETS : A Systematic Review <i>Azni Haslizan Abhalim, Rabiah Ahmad, Zul Azri Mohamad Noh, Farida Hazwani Mohd Ridzuan, and Najwa Hayaati Mohd Alwi.</i>
10.50 am – 11.50 am	An Efficient Pairing-free Certificateless Authenticated Two-party Key Agreement protocol over Elliptic Curves <i>Seyed-Mohsen Ghoreishi, Ismail Fauzi Isnin, Shukor Abd Razak and Hassan Chizari.</i>
11.50 am – 12.10 pm	Password Recovery Using Graphical Method <i>Wafa' Mohd Kharudin, Nur Fatehah Md Din and Mohd Zalisham Jali.</i>
12.10pm – 12:30pm	Can Single- Sign-On Improve Password Management? A Focus Group Study <i>Norliza Katuk, Hatim Mohamad Tahir, Nur Haryani Zakaria and Mohamad Subri Halim.</i>

9 th December, Tuesday - Parallel Session 3 : (ROOM 3)	
IEEE PROCEEDING	
Chair : Ahmad Naim Che Pee	
Session : Innovative Learning & Application	
9.30 am – 10.30 am	Assessing Usability and Fun Problems in MyCard (Malay Automatic Speech Recognition For Articulation Training) <i>Kum Hoe Lau, Syariffanor Hisham and Noor Azilah.</i>
9.50 am – 10.10 am	User Experience Study on Mobile Numerical Application for Children with Mental Disabilities <i>Naziatul Shima Abdul Aziz and Wan Fatimah Wan Ahmad</i>
10.10 am – 10.30 am	Evaluate Children Learning Experience of Multitouch Flash Memory Game <i>Tze Hui Liew, Siong Hoe Lau, Hishamuddin Ismail, Han Foon Neo and Kah Ong Goh Michael</i>
10.30 am – 10.50 am	Automatic Accident Location Detection System (AALDS) <i>Kim Nee Goh, Jafreezal Jaafar, Emy Elyanee Mustapha and Eddy Tik Earn Goh</i>
10.50 am – 11.50 am	Pre and Post Subprime Mortgage Crisis: An Empirical Analysis In Malaysia <i>Mohammed Hariri Bakri, Rosalan Ali, Shafinar Ismail, Fadzlan Sufian and Baharom Abdul Hamid.</i>
11.50 am – 12.10 pm	Automatic Generate Examination Questions System to Enhance Preparation of Learning Assessment <i>Syahaneim Marzukhi and Muhammad Firdaus Sulaiman</i>
12.10pm – 12:30pm	Training Intelligent Agents Using LCSs in the Three-Cornered Coevolution System <i>Syahaneim Marzukhi.</i>

9 th December, Tuesday - Parallel Session 4 : (ROOM 1)	
IEEE PROCEEDING	
Chair : Phayung Meesad	
Session : Intelligent System & Pattern Analysis	
3.00 pm – 3.20 pm	A Prototype of Event-Based Tracking System for Mobile Users <i>Waskitho Wibisono, Tohari Ahmad, Royyana Muslim Ijtihadie and Aldila Hilman.</i>
3.20 pm – 3.40 pm	Pattern Rejection with Rejection: Application to Handwritten Digits <i>Wladyslaw Homenda and Marcin Luckner.</i>
3.40 pm – 4.00 pm	Implementation of Cognitive Mapping Algorithm for Robot Navigation System <i>Amelia Ritahani Ismail, Recky Dessia, Muhammad Fuad Riza Zuhri and Raja Muhammad Daniel.</i>
4.00 pm – 4.20 pm	A Code Coverage-Based Test Suite Reduction and Prioritization Framework <i>Saif Khan, Sai Lee, Reza Parizi and Manzoor Elahi.</i>
4.20 pm – 4.40 pm	A Clustering Search Engine using Single Pass Clustering Algorithm for Indonesian Document <i>Zul Indra, Jafreezal Jaafar and Norshuhani Zamin.</i>
4.40 pm – 5.00 pm	Trend Cluster Analysis using Self Organizing Maps <i>Mohd Nasir Mat Amin, Puteri Nor Ellyza Nohuddin and Zuraini Zainol</i>
5.00 pm – 5.20 pm	Improved k-means clustering with Harmonic-Bee algorithms <i>Mohammad Babrdel Bonab and Siti Zaiton Mohd Hashim.</i>

9 th December, Tuesday - Parallel Session 4 : (ROOM 2)	
IEEE PROCEEDING	
Chair : Anang Hudaya Muhamad Amin	
Session : Bio-Inspired Techniques for Internet-of-Things	
3.00 pm – 3.20 pm	Bee Inspired QoS Routing in VANET <i>Tang Jung Low and Abubakar Aminu Mu'azu.</i>
3.20 pm – 3.40 pm	Cloudlet-based Cyber Foraging Framework for Distributed Video Surveillance Provisioning <i>Afiq Muzakkir Mat Ali, Nazrul Muhaimin and Anang Hudaya Muhamad Amin.</i>
3.40 pm – 4.00 pm	Graph Neuron based Approach to Smart Roads Solutions using Wireless Sensor Networks <i>Victor Welikhe, Jayakumar Vaidhyashankar and Anang Hudaya Muhamad Amin.</i>
4.00 pm – 4.20 pm	Hadoop in OpenStack: Data-Location-Aware Cluster Provisioning <i>Asmath Fahad Thaha, Manvir Singh, Anang Hudaya Muhamad Amin and Nazrul Muhaimin Ahmad.</i>
4.20 pm – 4.40 pm	Geometry Based Hybrid Method For Determining Lesion Area <i>Fuadziah Ahmad and Ahmad Airuddin.</i>
4.40 pm – 5.00 pm	Query Optimisation on Cloud Based Infrastructure as a Service MapReduce Clusters <i>Manvir Singh, Asmath Fahad Thaha, Anang Hudaya Muhamad Amin and Nazrul Muhaimin Ahmad.</i>
5.00 pm – 5.20 pm	Evaluation of Vulnerability Risk Factor: Critical ICT Outsourcing Project Characteristics <i>Nik Zulkarnaen Khidzir, Azlinah Mohamed and Noor Habibah Arshad.</i>

10th December, Wednesday - Parallel Session 5 : (Room 1)	
IEEE PROCEEDING	
Chair : Ahmad Zaki A. Bakar	
Session : Network & Mobile Application	
8.30 am – 8.50 am	A Preliminary Review of Interface Design Elements for Mobile Electronic Government Systems <i>Nurulhusna Ghazali and Rozilawati Razali.</i>
8.50 am – 9.10 am	Performance Assessment Of Mobile Computation Offloading <i>Omid Seifaddini, Azizol Abdullah, Abdullah Muhammed and Masnida Hussin.</i>
9.10 am – 9.30 am	An Improvised Instant Mobile Messaging Framework using Cloud Storage Service <i>Zaid Mujaiyid Putra Ahmad Baidowi, Teh Faradilla Abdul Rahman, Nor Shahniza Kamal Bashah and Faizal Haini Fadzil.</i>
9.30 am – 9.50 am	A Prototype of Event-Based Tracking System for Mobile Users <i>Waskitho Wibisono, Tohari Ahmad, Royyana Muslim Ijtihadie and Aldila Hilman.</i>

10th December, Wednesday - Parallel Session 5 : (Room 2)	
IEEE PROCEEDING	
Chair : Siti Zaiton Mohd Hashim	
Session : Data Quality in Big Data Technology	
8.30 am – 8.50 am	Review on Green Data Center Frameworks <i>Norhashimi Mohd Nor and Mohd Hasan Selamat.</i>
8.50 am – 9.10 am	Data quality challenges: A content analysis in the e-health domain <i>Marna Botha, Adele Botha and Marlien Herselman.</i>
9.10 am – 9.30 am	The Impact of Data Quality Dimensions on Business Process Improvement <i>Payam Hassany Shariat Panahy, Fatimah Sidi, Lilly Suriani Affendey and Marzanah A. Jabar.</i>
9.30 am – 9.50 am	Channel Agnostic Health Care <i>Ronell Alberts, Adele Botha and Thomas Fogwill.</i>

10th December, Wednesday - Parallel Session 5 : (Room 3)	
IEEE PROCEEDING	
Chair : Yogan Jaya Kumar	
Session : Student Symposium & Panel Comments	
8.30 am – 9.00 am	Application Of Improved Particle Swarm Optimization Technique For Thinning Of Concentric Hexagonal Array Antenna <i>Rajesh Bera, Durbadal Mandal, Rajib Kar and Sakti Prasad Ghoshal.</i>
9.00 am – 9.30 am	Improving Recommendation Diversity using Tensor Decomposition and Clustering Approaches <i>Morteza Rashidi Koochi, Ab. Razak Che Hussin and Halina M. Dahlan.</i>
9.30 am – 10.00 am	Evaluate the Performance of Downlink LTE systems in Multi-Path channels <i>Krishna Patteti, Tipparti Anil Kumar and Kalithkar Kishan Rao.</i>

10th December, Wednesday - Parallel Session 6 : (Room 1)	
IEEE PROCEEDING	
Chair : Abdul Syukor Mohamad Jaya	
Session : Network & Mobile Application	
12.00 noon – 12.20 pm	Analysis Performance on Contention-Based Mac Protocols in MANETS <i>Darus Mohamad Yusof, Norkhushaini Awang, Aisyah Kamarudin and Fakariah Hani Mohd Ali.</i>
12.20 pm – 12.40 pm	A Compact Wideband Microstrip Patch Antenna with Defected Ground Plane <i>Bharti Gupta.</i>
12.40 pm - 1.00 pm	Social Networks Content Analysis for Peacebuilding Application <i>Muniba Shaikh, Norsaremah Salleh and Lili Marziana</i>

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