

Dear Conference Participants,

On behalf of the organizer, I would like to welcome everyone to Universiti Malaysia Pahang (UMP).

For your information, there will be bus service from Bukit Gambang Resort Hotel to UMP at 7.30am and from UMP to the hotel at 5.30pm everyday during the conference.

Any enquiries regarding the logistics and other services required, please do not hesitate to contact our staff at 609-5492133.

Looking forward to see all of you in Gambang. Have a safe journey.

Regards,

Conference General Chair
Dean of Faculty Computer System and Software Engineering
Universiti Malaysia Pahang

PROGRAMME OVERVIEW

MONDAY (27th June 2011) – DAY 1

- | | | | |
|---------|---|---------|---|
| 8.00am | - | 9.00am | Conference Registration |
| 9.00am | | 9.15am | Welcoming Speech by Chairman |
| 9.15am | - | 10.15am | Keynote Speaker 1:
Professor Dr Ezendu Ariwa
London Metropolitan University
Title: Green Computing |
| 10.15am | - | 10.30am | Refreshment |
| 10.30am | - | 11.30am | Keynote Speaker 2:
Dr David Taniar
Monash University, Australia.
Title: Spatial Information Processing: Trends and Directions |
| 11.30am | - | 12.30pm | Keynote Speaker 3:
Professor Dr Muhammad Abdul Awal
North South University, Bangladesh
Title: Opportunities and Challenges in Information Communication Technology for the Economy of Rural Bangladesh |
| 12.30pm | - | 2.00pm | Break and Lunch |

2.00pm - 4.00pm Parallel Session
4.00pm - 4.30pm Refreshment

The time of each presentation including questions is 20 minutes. Please follow this.

- All the presentations are in Universiti Malaysia Pahang, It is about 25 KM from the town of Kuantan.
Lebuhraya Tun Razak, 26300, Gambang, Kuantan, Pahang, MALAYSIA
- **Researchers are coming from the following countries:**
 - **Hosting country:** Czech Republic
 - **Participants** (sorted): Algeria, Austria, Australia, Bangladesh, Belgium, Brazil, Finland, France, Germany, Greece, Hong Kong, Hungary, India, Indonesia, Iran, Italy, Ireland, Japan, Jordan, Korea, Lebanon, Libya, Luxembourg, Malaysia, Mexico, Norway, Pakistan, Palestine, Poland, Romania, Saudi Arabia, Slovenia, Spain, South Korea, Taiwan, Thailand, United Kingdom, United States, Tunisia, Turkey

TUESDAY (28th June 2011) – DAY 2

8.30am - 10.30am Parallel Session 1
10.30am - 11.00am Refreshment
11.00am - 1.00pm Parallel Session 2
1.00pm - 2.30pm Break and Lunch
2.30pm - 4.30pm Parallel Session 3
4.30pm - 5.00pm Refreshment
8.00 pm - 11.30pm Conference Dinner
@ Bukit Gambang Resort

WEDNESDAY (29th June 2011) – DAY 3

8.30am - 3.00pm

The tour will be to three places. They are :

1- Turtle Sanctuary

<http://www.pahangtourism.com.my/beaches/attractions/Turtlesanctuary/cturtle.html>

2- Batik painting factory/ Tenun Pahang(

<http://www.pahangtourism.com.my/handicraft/index.html> (where you can paint your own batik there)

3- Telok Cempedak Beach (

<http://www.pahangtourism.com.my/beaches/attractions/Tc/telukchempedak.html>

where (walk along the trail and also you can buy souvenirs).

It will take around 6 hours +/-1 hour. It will start around 9:00. More details will be announced during the conference dates.

SESSION PROGRAMME

MONDAY (27th June 2011) – DAY 1

Chairperson: Prof. Dr. Sabira Khatun

Room: Library Auditorium

KEYNOTE SPEAKER 1 (9.00am – 10.00am)

Professor Dr Ezendu Ariwa

Green Computing

KEYNOTE SPEAKER 2 (10.30am – 11.30am)

Dr David Taniar

Spatial Information Processing: Trends and Directions

KEYNOTE SPEAKER 3 (11.30am – 12.30pm)

Professor Dr Muhammad Abdul Awal

Title: Opportunities and Challenges in Information Communication Technology for the Economy of Rural Bangladesh

PARALLEL SESSION 1 (2.00pm – 4.00pm)

Room: CENFED 1

Track: Software Engineering

Chairperson: Prof. Madya Dr. Mamta Rani

14: Use of agents in building integration tool for component-based application (Ebtehal Alsaggaf – SA)
156: A Performance modeling framework incorporating cost efficient deployment of multiple collaborating instances (Razib Hayat Khan – Norway)
334- Understanding Motivators and De-motivators in Software Engineering – A Preliminary Study on Malaysian Software Engineers (Mobashar Rehman- Malaysia)
22- Success Factors in Cost Estimation Software Development Project (Zulkefli Mansor- Malaysia)
192- Software Quality Models: A Comparative Study (Jamilah Din- Malaysia)
16- The Development of Software Evaluation and Selection Framework for Supporting COTS-Based Systems: The Theoretical Framework (Fauziah Baharom- Malaysia)
230- Survey of Software Engineering Practices in Undergraduate Information System Projects(Nor Shahida Mohamad Yusop- Malaysia)
205- Synchronous Replication: Novel Strategy of Software Persistence Layer Supporting Heterogeneous System (Abul Hashem Beg- Malaysia)

Room: CENFED 2

Track: Network and Security

Chairperson: Dr. Adzhar Bin Kamaludin

419- QTCP: An Optimized And Improved Congestion Control Algorithm Of High-Speed TCP Networks(Barkatullah Qureshi- Malaysia)
189- Investigate Spectrum-Sliced WDM System for FTTH Network(Nasim Ahmed-Malaysia)
195- An Enhanced Route Discovery Mechanism for AODV(Kamarularifin Abd Jalil- Malaysia)
209- Fast Handover Technique for Efficient IPv6 Mobility support in Heterogeneous Networks (Nor Asila Wati Abdul Hamid- Malaysia)
394- Using Dendritic Cell Algorithm to Detect the Resource Consumption Attack over MANET(Maha Abdel Haq- Malaysia)
98- Impact of Safety Beacons on the Performance of Vehicular Ad hoc Networks(Bilal Munir Mughal- Malaysia)
167- Improving Network Performance by Enabling Explicit Congestion Notification (ECN) in SCTP Control Chunks(Hatim Mohamad Tahir- Malaysia)

Room: PTMK Training Room 1

Track: Network and Security

Chairperson: Dr. Adzhar Bin Kamaludin

92 - A new model for securing the iris authentication based on steganography (Zaheera Zainal Abidin – Malaysia)
48-Subthreshold SRAM Designs for Cryptography Security Computations (Adnan Gutub - Saudi Arabia)
260 F-IDS: A Framework for Simplifying Evidence Collection in Network Forensics(EVIYANTI SAARI- Malaysia)
233: Security as a Service for User Customized Data Protection(Kenichi Takahashi-Japan)
227- Analyzing Framework for Alternate Execution of Workflows for Different Types of Intrusion Threats(Sohail Safdar- Malaysia)
456- Attack Intention Analysis Model for Network Forensics(Mohammad Mosa- Malaysia)
319- Integrated Solution Scheme with One-time key Diameter Message Authentication framework for Proxy Mobile IPv6 (Poo Kuan Hoong- Malaysia)
242- User Acceptance for Extended Function Point Analysis in Software Security Costing(Nur Atiqah Sia Abdullah- Malaysia)

Room: PTMK Training Room 2
 Track: Bioinformatics and E-health/Biometric Technologies
 Chairperson: Jamaludin Bin Sallim

412: A Study on the Forecast of Meridian Energy and Biochemical Test by Using Bio-inspired NeuroMolecular Computing Model (Yo-Hsien Lin- Malaysia)
291- Fingerprint Singularity Detection: a Comparative Study("Ali Ismail Awad - Japan)
172 - Reduced Support Vector Machine based on k-Mode Clustering for Classification Large Categorical Dataset (Santi Wulan Purnami – Indonesia)
165: Applying Feature Selection Methods to Improve the Performance of Predictive Model for a Direct Marketing Problem (Ding Wen Tan- Malaysia)
84- Recipe Generation from Small Samples: Incorporating an Improved Weighted Kernel Regression with Correlation Factor (Zuwairie Ibrahim- Malaysia)
246-Fractal Analysis of Surface Electromyography (EMG) Signal for Identify Hand Movements Using Critical Exponent Analysis
89- Augmented Reality Remedial Paradigm for Negative Numbers: AVCTP (Elango Periasamy- Malaysia)
38- A Framework for Defining Malware Behaviour using Run Time Analysis and Resource Monitoring (Mohamad Fadli Bin Zolkipli- Malaysia)
215 - A Preview Study on UWB imaging system to detect early breast tumor (A.Naveena Lakshmi – Malaysia)

Room: KPU Training Room 1
 Track: Software Process Modeling
 Chairperson: Dr. Mohamad Masroor Ahmed

210 A Study of Tracing and Writing Performance of Novice Students in Introductory Programming (Affandy - Malaysia)
226- A Review of Prominent Work on Agile Processes, Software Process Improvement and Process Tailoring Practices (Rehan Akbar- Malaysia)
193- An Evaluation Model for Software Reuse Processes (Anas AL-Badareen- Malaysia)
26- Investigating the Effect of Aspect-Oriented Refactoring on Software Maintainability (Hamdi Al-Jamimi- Saudi Arabia)
447- On the Modelling of Adaptive Hypermedia System using Agents for Courses with the Competency Approach(Jose Sergio Magdaleno-Palencia- Mexico)
55- Toward a Methodological Knowledge for Service-Oriented Development Based on OPEN Meat-Model: A Position Paper (Mahdi Fahmideh- Iran)
309- Building Knowledge Representation for Multiple Documents using Semantic Skolem Indexing (Kasturi Dewi Varathan- Malaysia)
427-Automatic Recognition of Document Structure from PDF Files (Noor Maizura Mohamad Noor- Malaysia)

Room: KPU Training Room 2
 Track: Web Engineering
 Chairperson: Dr. Noraziah Bt Ahmad

249- Influence of Informal Visual Environments on Learners' Aesthetic Expectations From Formal Learning Visual Environments (Sadia Riaz-Malaysia)
62- Software Agents for E-Commerce Data Workflow Management (Faiz Al-Shrouf- Jordan)
364-Sentiment Classification from Online Customer Reviews Using Lexical Contextual Sentence Structure(Aurangzeb khan- Malaysia)
68- Agent-based MOM for cross-platform communication WorkFlow Management of SOA Systems (Najhan Muhamad Ibrahim- Malaysia)
432- A Qualitative Enquiry to Explore the Concept of Users' Perception on Factors Influencing Flexible Traveling Behavior and Flexible Online Airline Reservation Systems(Suzia Sulaiman- Malaysia)
234: Comparative Evaluation of Semantic Web Service Composition Approaches(Radziah Mohamad-Malaysia)
114- Ontology Development for Programming Related Materials(Siti Noradlina Mat Using- Malaysia)

Room: Senate Room
 Track: Neural Network
 Chairperson: Rozlina Bt. Mohamed

79- Experimental Discrimination between Malignant and Benign Breast Tumors Using NN-based UWB Imaging (Saleh Alshehri – Malaysia)
268- Banking Deposit Number Recognition Using Neural Network (Bariah Yusob- Malaysia)
91- Features Selection for Training Generator Excitation Neurocontroller Using Statistical Methods (Junita Mohamad Saleh - Malaysia)
139- Intelligent Decision Support Model Based on Neural Network to Support Reservoir Water Release Decision(Wan Hussain Wan Ishak- Malaysia)
317- The effect of Adaptive Momentum in improving the Accuracy of Gradient Descent Back Propagation Algorithm on classification Problems (Syed Muhammad Zubair Rehman - Malaysia)
101-On the Modeling of Complex Social System Using Distributed Agencies in Poverty Studies(Bogart Marquez- Mexico)
378 - Optimal Camera Placement for 3D Environment (Siti Kamaliah Mohd Yusoff- Malaysia)
420- Learning Efficiency Improvement of Back Propagation Algorithm by Adaptively Changing Gain Parameter together with Momentum and Learning Rate(Norhamreeza Abdul Hamid- Malaysia)
365: An Empirical Study of Density and Distribution Functions for Ant Swarm Optimized Rough Reducts (Yun-Huoy Choo - Malaysia)

TUESDAY (June 28, 2011) – DAY 2

PARALLEL SESSION 2 (8.30am – 10.30am)

Room: CENFED 1

Track: Parallel, Distributed and Grid Technology

Chairperson: Roslina Bt Mohd Sidek

142- Grid Jobs Scheduling Improvement Using Priority Rules and Backfilling (Zafril Rizal M Azmi - Malaysia)
375- Dynamic Load Balancing Policy in Grid Computing with Multi-Agent System Integration (Bakri Yahaya - Malaysia)
449-Dynamic Multilevel Dual Queue Scheduling Algorithms for Grid Computing (Syed Nasir Shah - Malaysia)
217-SYEDWSIM: A Web Based Simulator for Grid Workload Analysis (Syed Nasir Shah - Malaysia)
426- A Semantic Service Discovery Framework for Intergrid (Mahamat Issa Hassan - Malaysia)
256- Context-Aware Task Scheduling for Resource Constrained Mobile Devices (Omid Kashefi-Malaysia)

Room: CENFED 2

Track: Miscellaneous topics in Software Engineering and Systems

Chairperson: Dr. Lee Ho Cheong

463- Mining Optimal Utility Incorporated Sequential Pattern From Rfid Data Warehouse Through Genetic Algorithm (Barjesh Kochar- India)
356- Deterministic-Rule Programs on Specialization Systems: Clause-Model Semantics (Kiyoshi Akama- Japan)
264- A Novel Replica Replacement Strategy for Data Grid Environment(Yuhanis Yusof- Malaysia)
413- Genetic Algorithm Approach to Path Planning for Intelligent Camera Control for Scientific Visualization(Djamalladine Mahamat Pierre- Malaysia)
310- Managing Communications Challenges in Requirement Elicitation(Noraini Che Pa- Malaysia)
321- User-Centered Evaluation for IR: Ranking Annotated Document Algorithms (Syarifah Rahayu-Malaysia)
351- Use Case-Based Effort Estimation Approaches: A Comparison Criteria(Mohammed Wajahat Kamal- Saudi Arabia)
72- Managing Differentiated Services in Upstream EPON (Nurul Asyikin Mohamed Radzi- Malaysia)

Room: PTMK Training Room 1

Track: Miscellaneous topics in Software Engineering and Systems

Chairperson: Dr Noraziah Ahmad

271- Real-time Feedback and 3D Visualization of Unmanned Aerial Vehicle for Low-cost Development(Tutut Herawan- Malaysia)
52- A Classification-based Graduates Employability Model for Tracer Study by MOHE(Aida Mustapha- Malaysia)
442- Hierarchical Groups with Low Complexity Block Compensation for Reconstruction Video Sequences (Ta-Te Lu- Taiwan)
344- Multilevel Thresholding Method Based on Aggressive Particle Swarm Optimization(Habibullah Akbar- Malaysia)
322- Multi-Classifer Scheme with Low-Level Visual Feature for Adult Image Classification (Mohammadmehdi Brozorgi – Malaysia)
369- Achieving Effective Communication during Requirements Elicitation - A Conceptual Framework (Fares Anwar- Malaysia)
Any re-scheduled presentations

Room: PTMK Training Room 2

Track: E- Learning

Chairperson: Dr Tutut Herawan

183: Current Practices of Programming Assessment at Higher Learning Institutions (Rohaida Binti Romli- Malaysia)
152- Learn with Me: Collaborative virtual learning for the special children: Bee Theng Lau – Malaysia)
298- Reviewing the Trainees' Competency Based-Assessment Methods of Computer/Cyber Forensics Education/Training Programs(Elfadil Sabeil Mohamed Ali-Malaysia)
97- A Development of Integrated Learning System for Visual Impaired (Wan Fatimah Wan Ahmad- Malaysia)
65- Design and Development of Online Instructional Consultation for Higher Education in Malaysia (Abd Hadi Abd Razak- Malaysia)
398- Technology resources impact on E-commerce capability and Business performance: an empirical investigation (Muhammad Jehangir- Malaysia)
265: Computer security threats towards the e-learning system assets (Zainal Fikri Zamzuri- Malaysia)

Room: KPU Training Room 1
Track: Image Processing
Chairperson: Prof. Dr. Sabira Khatun

328- The Use of Elimination Method and Nearest Neighbor for Oil Palm Fruit Ripeness Indicator(Fatma Susilawati Mohamad- Malaysia)
208- Crowd Analysis and Its Applications(Nilam Nur Amir Sjarif- Malaysia)
293- Iris Segmentation: A Review and Research Issues(Abduljalil Radman- Malaysia)
238- Video and Image Processing in Medical Data Grid (Rohaya Binti Latip- Malaysia)
282- Comparison of Linear Discriminant Analysis and Support Vector Machine in Classification of Subdural and Extradural Hemorrhages (Hu Ng- Malaysia)
122- Pixel Mask Analyzer (PMA): Noise Removal in Gland Detection for Colon Cancer Image(Mohd Yamin Ahmad-Malaysia)
105- A Review of Bio-inspired Algorithms as Image processing Techniques(Noor Elaiza Abdul Khalid- Malaysia)
316- A New Approach for Adjusting Braille Image Skewness in Optical Braille Recognition(AbdulMalik Al-Salman- Saudi Arabia)

Room: KPU Training Room 2
Track: Image Processing
Chairperson: Wan Maseri Wan Mohd

254- Tamper Localization and Lossless Recovery Watermarking Scheme (Siau-Chuin Liew- Malaysia)
335- Malaysian Car Plates Recognition Using Freeman Chain Codes and Characters' Features - Nor Amizam Jusoh- Malaysia)
81- Improving the Robustness of ISB Watermarking Techniques by Repetition of the Embedding (Akram Zeki – Malaysia)
381- Geometrically Invariant Watermarking Based on Local Generalized Orthogonalized Complex Moments(Jasni Mohamad Zain- Malaysia)
261: Gait Classification by Support Vector Machine (Ng Hu- Malaysia)
343: Selecting Significant Features for Authorship Invarianceness in Writer Identification (Azah Kamilah Muda- Malaysia)
386- SVM-SS Watermarking Model for Medical Images(Syed Ahmad Aljunid- Malaysia)

Room: Senate Room

Track: Data, Information and Knowledge Management

Chairperson: Wan Maseri bt Wan Mohd

135- Software Risk Assessment: A Review on Small and Medium Software Projects(Abdullahi Sharif- Malaysia)
353- A Model of Knowledge Management System and Early Warning System (KMS@EWS) for Clinical Diagnostic Environment (Norzaliha Mohamad Noor- Malaysia)
154 -Preserving Data Replication Consistency through ROWA-MSTS (Ainul Azila Che Fauzi - Malaysia)
387- Halal Product Price Indicator Portal: Promoting Malaysia's Local Halal SMEs(Alfi Khairiansyah Machfud- Malaysia)
415-The Specifications of the Weakly Hard Real-Time Systems: A Review(Habibah Ismail- Malaysia)
60- Comparison between Multilayer Perceptrons against Decision Tree in Improving Prediction Accuracy for Diabetes Mellitus(Aida Mustapha- Malaysia)
43- ICT Requirements Evaluation for Knowledge Sharing - Sharan Dhillon- Malayisa)

PARALLEL SESSION 3 (11.00am – 1.00pm)

Room: CENFED 1

Track: Data, Information and Knowledge Management

Chairperson: Dr. Mohamad Masroor Ahmed

428- File Integrity Monitor Scheduling based on File Security Level Classification(Zul Hilmi Abdullah-Malaysia)
175- A Convex Hull-based Fuzzy Regression to Information Granules Problem – An Efficient Solution to Real-Time Data Analysis(Azizul Azhar Ramli- Japan)
145- Mean Conditional Entropy Gain Based Approach for Selecting Clustering Attribute - Hongwu Qin – Malaysia)
146- A Soft Set Construction on Information System and Its Application in Computation of Rough Set - Hongwu Qin – Malaysia)
180- Alternative Model for Extracting Multidimensional Data Based-on Comparative Dimension Reduction - Rahmat Widia Sembiring – Malaysia)
190- A Knowledge Taxonomy for Developing Organizational Memory System for public IHL (Suzana Basaruddin - Malaysia)
76- Modified IT-Project Management Interventions for an Increased Economic Impact(Christian Malus- Malaysia)
287 - Malay-English Cross-Language Information Retrieval using Relevance Concept Words (Nurjannaton Hidayah Rais – Malaysia)

Room: CENFED 2

*Track: *Software Security*

Chairperson: Dr. Noraziah Bt Ahmad

231- Challenges and Opportunities in the information systems security evaluation and Position of ISO / IEC 15408(Nasser Vali- Iran)
153- Taxonomy of C Overflow Vulnerabilities Attack(Nurul Haszeli Ahmad- Malaysia)
366- A Secure Storage Model to Preserve Evidence in Network Forensics(Mohd Izham Ibrahim-Malaysia)
54- Towards New Data Access Control Technique Based on Multi Agent System Architecture for Cloud Computing (Amir Talib)
404- Remote User Authentication Scheme with Hardware-based Attestation(Fazli Mat Nor- Malaysia)

Room: PTMK Training Room 1
Track: Web Technology
Chairperson: Rozlina Bt. Mohamed

148- Transactional Web Services Composition: A Genetic Algorithm Approach - Yong-Yi FanJiang – Taiwan)
143- Rapid development of executable ontology for financial instruments and trading strategies (Dejan Lavbic- Slovenia)
236: A Greedy Approach for Adapting Web Content for Mobile Devices(Tek Yong Lim- Malaysia)
119- QoS-aware web services selection with interval-valued intuitionistic fuzzy soft sets (Norrozila Sulaiman- Malaysia)
237- DBrain Portal for Collaborative BioGrid Environment(AI Farisi- Malaysia)
191- Assessing the Used Of Mash-Up at Higher Education(Rabiul Ibrahim- Malaysia)
137- User Interface and Interaction Design Considerations for Collaborative Learning Using Augmented Reality Learning Object(Tarisa Makina- Malaysia)
379- Robust Eye Movement Recognition Using EOG Signal for Human-Computer Interface (Siriwadee Aungsakun- Thailand)

Room: PTMK Training Room 2
Track: Algorithms
Chairperson:

182- Elasticity Study: DBrain Project Grid-Cloud Integration (Dani Adhipta- Malaysia)
232- Embedded Backups for Link Failure Recovery in Shortest Path Trees (Muhammad Aasim Qureishi- Malaysia)
243- Real-Time Volume Shadow Using Stencil Buffer (Hoshang Kolivand- Malaysia)
327-Highest Response Ratio Next (Hrrn) Vs First Come First Served (Fcfs) Scheduling Algorithm In Grid Environment(Rohaya Latip- Malaysia)
188- An Agent-Based Autonomous Controller for Traffic Management (Sadia Afsar- Pakistan)
421- Pi-Sigma Neural Network for Temperature Forecasting in Batu Pahat (Rozaida Ghazali- Malaysia)
339- Recognizing Patterns of Music Signals to Songs Classification using Modified AIS-based Classifier(Noor Azilah Draman- Malaysia)
82- A Refined Differential Evolution Algorithm for Improving Optimization Performance (Ahmad Razlan Bin Yusoff- Malaysia)

Room: KPU Training Room 1

Track: Databases

Chairperson: Roslina Mohd Sidek

201: XRecursive: A Storage Method for XML Document Based on Relational Database (Mohammed Fakheraldien – Malaysia)
292: Enhancement Algorithms for SQL-Based Chatbot (Abbas Saliimi Lokman – Malaysia)
225- An Alternative Measure for Mining Weighted Least Association Rule and Its Framework (Tutut Herawan - Malaysia)
341- Mining interesting association rules of student suffering mathematics anxiety(Tutut Herawan-Malaysia)
459-Methodology for Measuring the Quality of Education using Fuzzy Logic(Sergio Valdés Pasar n-Mexico)
204- A New Approach Based on Honeybee to Improve Intrusion Detection System Using Neural Network and Bees Algorithm(Ghassan Ahmed - Malaysia)
103- Rough Set Theory for Feature Ranking of Traditional Malay Musical Instruments Sounds Dataset (Norhalina Senan- Malaysia)

Room: KPU Training Room 2

Track: Algorithms

Chairperson: Dr. Lee Ho Cheong

257: The Performance of Compound Enhancement Algorithm on Abnormality Detection Analysis of Intra-oral Dental Radiograph Images (Siti Arpah Ahmad-Malaysia)
39- Performance Study of Two-Dimensional Orthogonal Systolic Array(Ahmad Husni Mohd Shapri-Malaysia)
194: Similarity Approach on Fuzzy Soft Set Based Numerical Data Classification(Bana Handaga-Malaysia)
431- A Discrete Event Simulation Framework for Utility Accrual Scheduling in Uniprocessor Environment(Mohamed Othman- Malaysia)
276- Engineering design analysis using evolutionary grammars with Kano's model to refine product design strategies (Ho Cheong Lee – Malaysia)
118- Applications of Interval-valued intuitionistic fuzzy soft sets in A Decision Making Problem(Xiuqin Ma- Malaysia)

Room: Senate Room

Track: Software Design/Testing

Chairperson: Dr. Tutut Herawan

93- A Parallel Tree Based Strategy for T-way Combinatorial Interaction Testing (Mohammad Fadel Jamil Klaib – Malayisa)
259- PS2Way: An Enhanced Pairwise Search Approach for Test Data Generation(Sabira Khatun- Malaysia)
251- The Preferable Test Documentation using IEEE 829(Roslina Mohd Sidek- Malaysia)
373- Automatic Analysis of Static Execution Time for complex loop contained External Input(Doo-Hyun Kim- Korea)
430- Software Reuse: MDA-based Ontology Development to Support Data Access over Legacy Application(Heru Agus santoso- Malaysia)
333- An Input-Driven Approach to Generate Class Diagram and its Empirical Evaluation (Faridah Hani – Malaysia)
267- A Framework to Assure the Quality of Sanity Check Process(Rabia Sammi- Pakistan)
332- Scalability of Database Bulk Insertion with Multi-threading(Chee Siang Wong- Malaysia)

PARALLEL SESSION 4 (2.30pm – 4.30pm)

Room: CENFED 1

Track: Software Design/Testing

Chairperson: Dr. Mohamad Masroor Ahmed

370- Towards Unit Testing of User Interface Code for Android Mobile Applications(Ben Sadeh- Norway)
132- Security Modeling of SOA System Using Security Intent DSL(Mohammad Qaisem Sdeem- Malaysia)
161- UML Diagram for Design Patterns(Muhazam Mustapha- Malaysia)
410- Towards Natural Interaction with Wheelchair Using Nintendo Wiimote Controller(Mahmood Ashraf- Malaysia)
374- Meta-model Validation of Integrated MARTE and Component-Based Methodology Component Model for Embedded Real-Time Software(Mohd Adham Isa- Malaysia)
315- Abstract Formal Framework for Method Overriding (Siti Hafizah Ab hamid- Malaysia)
220-Parametric Software Metric(Won Shin- Korea)

Room: CENFED 2

Track: Software Process Modeling

Chairperson: Dr. Noraziah Bt Ahmad

111- A Concurrent Coloured Petri Nets Model for Solving Binary Search Problem on a Multicore Architecture(Alaa Al-Obaidi-Malaysia)
36: Balanced Hierarchical Method of Collision Detection in Virtual Environment (Hamzah Asyrani Sulaiman- Malaysia)
445: Conceptual Framework for Formalizing Multi-agent Systems(Tawfig M. Abdelaziz-Libya)
308- Development of a framework for applying ASYCUDA system with N-Tier application architecture (Ahmad Pahlavan Tafti- UAE)
117- An Empirical Framework to Exercise Negotiation in Requirements Engineering (SABRINA AHMAD- Malaysia)
330- Reusability assessment of Task Knowledge Patterns through metrics (WaiShiang Cheah- Malaysia)

Room: PTMK Training Room 1
Track: Data, Information and Knowledge Management
Chairperson: Prof. Dr. Sabira Khatun

160- Rough Set Theory Approach for Classifying Multimedia Data (Yuzarimi Mohd Lazim- Malaysia)
288- Application of Rasch Model in Validating the Content of Measurement Instrument for Blog Quality (Zuhaira Muhammad Zain- Malaysia)
436- Super Attribute Representative for Decision Attribute Selection (Rabiei Mamat - Malaysia)
438- The normal parameter value reduction of soft sets and its algorithm (Xiuqin Ma - Malaysia)
176- Improving Language Identification of Web Page using Optimum Profile(Choon-Ching Ng- Malaysia)
24- KMS Innovation Diffusion at Company X & the Twelve Theories of IT Adoption (Sureena Matayong- Malaysia)

Room: PTMK Training Room 2
Track: Miscellaneous topics in Software Engineering and Systems
Chairperson: Roslina Mohd Sidek

279- VANET Security Framework for Safety Application using Trusted Hardware(Asif Ali Wagan- Malaysia)
424- Timing Attack and its Possible Solution in VANET (Irshad Sumra – Malaysia)
429- A Novel Vehicular SMS System (VSS) Approach for Intelligent Transport System (ITS) (Irshad Sumra – Malaysia)
384- Secure Interleaving: Physical layer Security Enhancement of OFDM Based System (Muhammad Asif Khan - Malaysia)
458 - Computational Approaches for Gene Prediction: A Comparative Survey (Hassan mathkour – SA)
240- Formal Verification for Interaction Protocol in Agent-Based E-Learning System Using Model Checking Toolkit – MCMAS (Norizal Abd Latif – Malaysia)
Any re-scheduled presentation

Room: KPU Training Room 1
Track: Data, Information and Knowledge Management
Chairperson: Wan Maseri bt Wan Mohd

464- Extracting Named Entities from Prophetic Narration Texts (Hadith)(Abdul Malik Salman Al-Salman- Saudi Arabia)
94: Mining Opinions in User-Generated Contents to Improve Course Evaluation(Alaa El-Halees- Palestine)
168- A Framework for Optimizing Malware Classification using Genetic Algorithm (Mohd Najwadi Yusoff -Malaysia)
109- Building a Corpus-derived Gazetteer for Named Entity Recognition (Norshuhani Zamin- Malaysia)
155- Fuzzy Goal Programming for Multi-Level Multi-Objective Problem: An Additive Model(Nureize Arbaiy- Japan)

Room: KPU Training Room 2
Track: Ad Hoc Networks
Chairperson: Dr. Lee Ho Cheong

296- Efficient Data Transmission Scheme for Ubiquitous Healthcare Using Wireless Body Area Networks(Eui-Nam Huh- korea)
372- A Collaborative intrusion detection system against DDoS attack in peer to peer network(Leila Ranjbar- Iran)
416- Analysis of Routing Protocols in Vehicular Ad Hoc Network Applications (Mojtaba Asgari- Malaysia)
63- Comparative Study on the Performance of TFRC over AODV and DSDV Routing Protocols (Khuzairi bin Mohd Zaini- Malaysia)

Room: Senate Room
Track: Software Design/Testing
Chairperson: Dr Tutut Herawan

196- Practical Adoptions of T-way Strategies for Interaction Testing (Kamal Zuhairi Zamli- Malaysia)
352- Model-based Web Components Testing: A Prioritization Approach(Moataz Ahmed- Saudi Arabia)
342: Web Interactive Multimedia Technology: State of the Art(Asma Md Ali- Malaysia)
286: Health Architecture based on SOA and Mobile Agents(Mohamed Elammari- Libya)
95: Metrics Based Variability Assessment of Code Assets(Fazal e Amin-Malaysia)
395- Test Data Generation for Event-B Models using Genetic Algorithms(Alin Stefanescu- Romania)
90 Modeling, Analysis, and Characterization of Dubai Financial Market as a Social Network(Ahmed El Toukhy- Kuwait)

21- Application Of 80/20 Rule In Software Engineering Rapid Application Development (Rad) Model(Muzaffar Iqbal- Pakistan)
278- An Algorithm to Detect Attacks in Mobile Ad Hoc Networks(Radhika Saini-India)
75- A Pattern for Structuring the Information System Architecture(SHOKOOFEH KETABCHI- UK)
333- An Input-Driven Approach to Generate Class Diagram and its Empirical Evaluation(Faridah Hani Mohamed Salleh- Malaysia)
67- An Aspect Oriented Component Based Model Driven Development(Deepak Dahiya- India)
155- Fuzzy Goal Programming for Multi-Level Multi-Objective Problem: An Additive Model(Nureize Arbaiy- Japan)
129- Secret-Eye: A Tool to Quantify User's Emotion and Discussion Issues through a Web-Based Forum (Nasiroh Omar- Malaysia)
174- Visualizing MDS Coordinates of Multiple Information in Coloured Attribute-based Two-Dimensional Space(Siti Zaleha Zainal Abidin- Malaysia)
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