

# **TENTATIVE PROGRAM**

## **The International Conference on Informatics Engineering & Information Science (ICIEIS2011)**

**14<sup>th</sup> – 16<sup>th</sup> November 2011**

**Universiti Teknologi Malaysia  
International Campus, Kuala Lumpur  
MALAYSIA**

*Supported by :*





**UTM**  
UNIVERSITI TEKNOLOGI MALAYSIA

Advanced Informatics School (UTM AIS)

RESEARCH UNIVERSITY



## The International Conference on Informatics Engineering & Information Science (ICIEIS2011)

### Conference Schedule

- ✓ The time of each presentation including questions is 20 minutes.
- ✓ Please find your presentation time in the following tables in next pages.

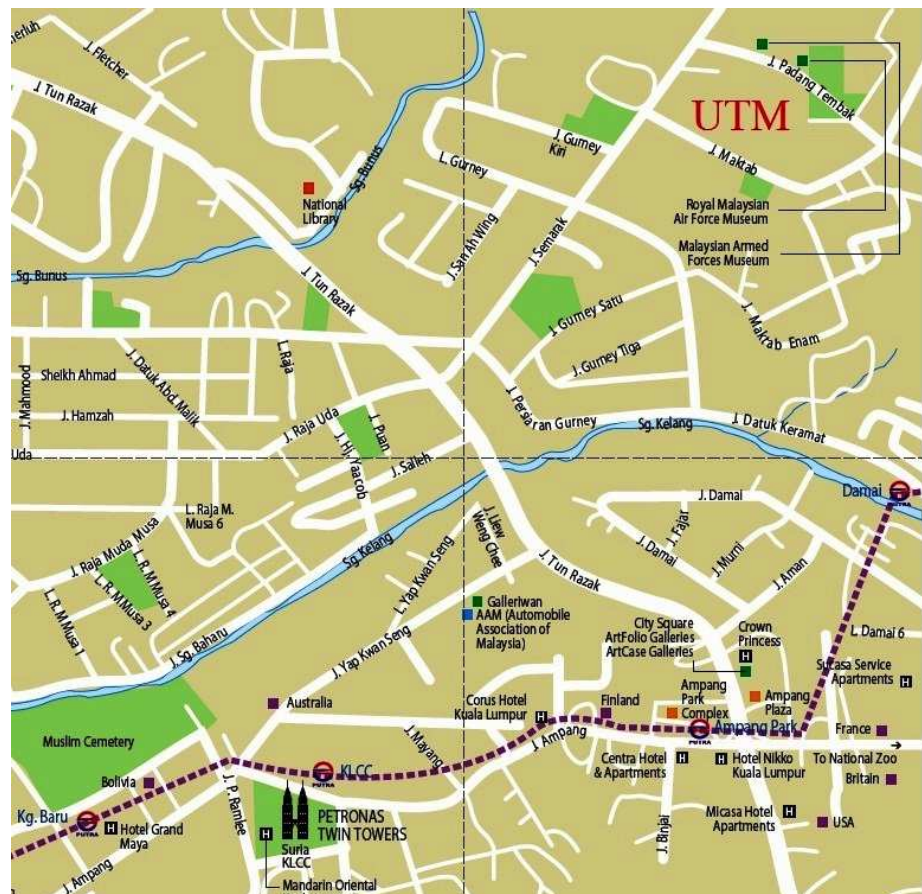
Date:14th November 2011 Time: 7:30 – 9:30	Registration
Date:14th November 2011 Time: 9:30 – 9:40	Welcome Speech by Dean of UTM AIS- Host of Conference, Prof. Dr. Shamsul Sahibudin, at Dewan Jumaah
Date:14th November 2011 Time: 9:40 – 9:50	Speech from SDIWC, Dr. Eyas El-Qawasmeh, at Dewan Jumaah
Date:14th November 2011 Time: 9:50 – 10:00	Opening Ceremony by Director of UTM International campus, Prof. Dr. Hamdani Saidi, at Dewan Jumaah
Date:14th November 2011 Time: 10:00 – 10:30	Keynote Speech- Prof. Dr. Ezendu – London Metropolitan University
Date:14th November 2011 Time: 10:30 – 11:00	Complimentary breakfast
Date:14th November 2011 Time: 11:00 – 1:30+	First round of sessions
Date: 14th November 2011 Time: 2:00	Keynote Speech- Lt Col (R) Prof Dato' Husin Jazri. Title: Emerging Cyber security Technologies
Date: 15th November 2011 Time: 10:45	Keynote Speech- Prof. Dr. Naomie Salim (UTM)- Chemistry Informatics - Trends And Future
Date: 16th November 2011 Time: 9:00 AM	City Tour (Putra Jaya city where is political capital of Malaysia, Independent Square / Dataran Merdeka where has some historical buildings)

### Conference Venue

Universiti Teknologi Malaysia (UTM) International Campus, Jalan Semarak, 54100 Kuala Lumpur, Malaysia

### Researchers' Countries

Hosting country: Malaysia  
Participants: (sorted) Algeria, Australia, Austria, Azerbaijan, Bahrain, Bangladesh, Belgium, Botswana, Bulgaria, Canada, Croatia, Czech Republic, Egypt, France, Germany, India, Indonesia, Iran, Iraq, Italy, Japan, Jordan, Kazakhstan, Korea, Malaysia, Mexico, Morocco, Nigeria, Norway, Poland, Romania, Saudi Arabia, Serbia, Singapore, Slovakia, Spain, South Africa, Taiwan; Tanzania, Thailand, Turkey, United Kingdom, United States. Yemen.



# Acknowledgement

## Advanced Informatics School (UTM AIS), Universiti Teknologi Malaysia Contributors

### General Chair

Prof. Dr. Azizah Abd Manaf

### Advisor

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AP. Dr. Rabiah Ahmad  
AP. Wardah Zainal Abidin  
AP. Rusni Daruis  
Dr. Suriyati Chuprat  
Dr. Mohd Naz'ri Mahrin  
Dr. Bharanidharan Shanmugam  
Dr. Mohd Nazri Bin Kama  
Dr. Akram Zeki  
Dr. Jamaiah Yahaya  
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Mr. Farhang Jaryani  
Mr. Hamed Taherdoost  
Mr. Mehran Emadi  
Mr. Sajjad Dadkhah  
Mr. Saman Shoja  
Mr. Elfadil Sabeil Mohamed Ali  
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Mr. Sundara Rajan. R.  
Mr. Heri Kuswanto  
Mr. J. Satheesh Kumar  
Ms. Annapurna P Pati  
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A.K.M. Muzahidul Islam  
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Ahmad Kueh Beng Hong  
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Nur Zuraifah Syazrah Othman  
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Amir Hossein Azadnia  
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Younes Elahi  
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### Honorary Program Committee Member

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### Coordinators

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AP. Dr. Salwani Mohd Daud

### Program Committee Members

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Mdm. Siti Salamah Mohd Shihab

#### Finance

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Mdm. Raja Aida Binti Raja Shaharuddin

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Mr. Mohd Nazmi Hamudi Masri  
Mr. Mohd Sharudin Bin Mat Deli  
Mdm. Hazlin Jemain  
Mr. Mohd Rafi Bin Abu Bakar  
Mr. Yushaini Bin Mohd Yunus

**Date: 14<sup>th</sup> November 2011**

**Time: 11:00 – 1:00**

<b>Title</b>	<b>Miscellaneous topics in Digital Information and Communications</b>	<b>Software Engineering</b>	<b>E-learning</b>	<b>Wireless Networks</b>
<b>Room</b>	<b>Dewan Kuliah 4</b>	<b>Dewan Kuliah 5</b>	<b>Banquet Hall</b>	<b>Dewan Jumah</b>
<b>Chair</b>	Dr. Suriyati Chuprat Dr. Somnuk Phon-Amnuaisuk	Dr. Suhaimi Ibrahim Dr. Jamaiah Yahaya	AP Wardah Zainal Abidin Farhang Jaryani	Dr. Bharanidharan Shanmugam Shohreh Honarbakhsh
	<p>277- Processing of Multidimensional Range Query Using SIMD Instructions (Peter Chovanec- Czech Republic)</p> <p>427- A Surveillance System for a Farm (Sang-Yong Rhee- Korea)</p> <p>291- The Genetics Lab: an Innovative Tool for Assessment of Intelligence by Mean of Complex Problem Solving (Cyril Hazotte-France)</p> <p>335- Energy Efficient Mutually Exclusive Path Finding Protocol for Wireless Networks (Anita Kanavalli- India)</p> <p>240 Part of Speech Tagging Approach to Designing Compound Words for Arabic Continuous Speech Recognition Systems(Wasfi G Al-Khatib- Saudi Arabia)</p> <p>205- Development of Water Quality Monitoring System Prototype For Fresh Water Fish Culture (Zaini ABdul Halim- Malaysia)</p>	<p>106- Development of a Dynamic and Intelligent Software Quality Model (Jamaiah Yahaya- Malaysia)</p> <p>57- Current Practices of Software Cost Estimation Technique in Malaysia Context (Zulkefli Mansor- Malaysia)</p> <p>407- XML based Robust Aspect Composition in Web Service (Eunsun Kim- Korea)</p> <p>160- A Java-integrated Object Oriented Query Language (Emil Wcislo- Poland)</p> <p>95- Formalised Symbolic Reasoningn for Music Applications (Somnuk Phon-Amnuaisuk- Malaysia)</p> <p>121- Algorithm for solving the model of multistage hollow fiber membrane systems and the identification of model parameters.(Zhanat Umarova- Kazakhstan)</p> <p>122- Multiple Levels of Abstractions modelling for Service-Oriented Distributed Embedded Real-Time Software Design (Radziah Mohamad- Malaysia)</p> <p>172- A Requirements Management Tool for Small and Medium Projects: An Industrial case study (Azida Zainol – Malaysia)</p>	<p>237- A Flexible Speech Recognition System for Cerebral Palsy Disabled (Syed Abdul Rahman Al-Haddad- Malaysia)</p> <p>270- Online ICT-Courses Integrated For The Hearing-Impaired Individuals’ Education: A Preliminary Study From The Students’ Perception (Rozniza Zaharudin- Malaysia)</p> <p>286- Kansei Design Model for Emotional Engagement in Online Learning: A Proposed Model (Fauziah Redzuan- Malaysia)</p> <p>278- Possibilities of modeling web-base education using IF-THEN rules and fuzzy Petri nets in LMS (Zoltan Balogh- Slovakia)</p> <p>369- Integrating perception into V-Hajj: 3D Tawaf Training Simulation Application (Nur Zuraifah Syazrah Othman- Malaysia)</p> <p>141- A Journal of Real Peak Recognition of Electrocardiogram (ECG) Signals Using Neural Network (Izzah Amani Bt Tarmizi- Malaysia)</p> <p>234- Cooperative Communication and Cognitive Radio (CR) Technology in LTE- Advanced (Aimi Syamimi Ab Ghafar- Malaysia)</p>	<p>422- Location Estimation and Filtering of Wireless Nodes in an Open Environment (Shahrulniza Musa- Malaysia)</p> <p>431- Feasibility of Electromagnetic Communication in Underwater Wireless Sensor Networks (Yasser K Zahedi- Iraq)</p> <p>341- Techniques on Relaying for LTE-Advanced Network(Aimi Syamimi Ab Ghafar- Malaysia)</p> <p>226- Multichannel MAC Protocol with Discontiguous-OFDM for Cognitive Radio Networks (Mingyu Lee- Korea)</p> <p>113- Inter-cell Interference Mitigation and Coordination in CoMP Systems (Aimi Syamimi Ab Ghafar- Malaysia)</p> <p>426- Experimental Study of Sensing Performance Metrics for Cognitive Radio Network Using Software Defined Radio Platform (Mohd Adib Sarijari- Malaysia)</p> <p>311- A New Scalable Anonymous Authentication Protocol for RFID (Mohammad Shirafkan- Iran)</p>

**1:00- 2:00 Lunch at Dewan Besar, UTM International Campus**

Date: 14<sup>th</sup> November 2011

Time: 2:00 - 4:20 +

Title	Information Security	Software Engineering	E-commerce	Wireless Networks
Room	Dewan Kuliah 4	Dewan Kuliah 5	Banquet Hall	Dewan Jumat
Chair	Dr. Zuraini Ismail Dr. Somnuk Phon-Amnuaisuk	Dr. Mohd Naz'ri Mahrin Dr. Jamaiah Yahaya	AP Rusni Daruis Hamed Taherdoost	Dr. Rabbiah Ahmad Farnaz Arab
	<p>47- Enhanced Alert Correlation Framework for Heterogeneous Logs(Mohd Faizal Abdollah-Malaysia)</p> <p>61- Morphed Virus Family Classification based on Opcodes Statistical Feature using Decision Tree(Babak Bashari Rad- Malaysia)</p> <p>117- Development of Code-Theoretic Scheme on Generalized Cascade Codes (Tamara Zhukabayeva- Kazakhstan)</p> <p>147- Generalization of Weger's attack (Sahadeo Padhye- India)</p> <p>244- Comparative Analysis and Implementation of Certificateless Based Authentication Scheme (Nazrul Muhaimin Ahmad- Malaysia)</p> <p>236- Data Leakage Tracking - Non-Repudiation of Forwarding(Rainer Schick-Germany)</p> <p>336- New ID-Based Proxy Multi-Signature from Pairings(Sahadeo Padhye- India)</p> <p>116- Exploring Homomorphic Encryption in Wireless Sensor Networks (Devesh Jinwala-India)</p> <p>395- A Secure Protocol for Ultralightweight Radio Frequency Identification (RFID) Tags (Azman Samsudin- Malaysia)</p>	<p>136- In the Relation of Workflow and Trust Characteristics, and Requirements in Service Workflows (Wattana Viriyasitavat- Thailand)</p> <p>203- A Design of Centralized Persistent Computing Systems (Quazi Mahera Jabeen-Japan)</p> <p><b>Rescheduled presentations</b></p> <p>389- Moved from mobile computing. Performance evaluation of Switching between Routing Protocols in Mobile Ad hoc Networks (Annapurna P Patil- India)</p> <p>91- Moved from Information Security - Frequency Domain Combination for Preserving Data In Space Specified Token With High Security (Kannammal A- India)</p> <p>418- Moved from Network - FMRI Brain Artifact Due To Normalization - A Study (Satheesh Kumar J- India)</p> <p>411-Moved from Information Security - Robust Data Embedding based Probabilistic Global Search in MDCT Domain (Ei Thin Su-Myanmar)</p> <p>412-Moved- Music Information Retrieval Algorithm using Time-frequency Dictionaries(Soe Myat Thu- Myanmar)</p>	<p>48- Weighted RED (WTRED) Strategy For TCP Congestion Control (Nabhan Hamadneh - Australia)</p> <p>74- A Holistic Survey of IT Governance in Thai Universities through IT Executive Perspectives (Kallaya Jairak- Thailand)</p> <p>73- The Development of a New Capability Maturity Model for Assessing Trust in B2C e-Commerce Services (Rath Jairak- Thailand)</p> <p>72- Recovery of Memory based on Page Replacement Algorithms(Rashidah Ahmad-Malaysia)</p>	<p><b>Keynote Speech</b> <b>Prof Dato' Kol (B) Husin Jazri</b> <b>Title: Emerging Cybersecurity Technologies</b></p> <p>219- Relay Node Deployment for a Reliable and Energy Efficient Wireless Sensor Network (Ali Tufail Korea, Republic Of)</p> <p>404- Precise Multimodal Localization With Smart Phones (E Martin- USA)</p> <p>405- Analysis of the Influence of Location Update and Paging Costs Reduction Factors on the Total Location Management Costs (E-Martin- USA)</p> <p>151- Data Compression Algorithms for Audio-Visual Information (Li-Minn Ang- Malaysia)</p> <p>153- Cluster - Head Selection by Remaining Energy Consideration in a Wireless Sensor Network (Norah Tuah- Malaysia)</p> <p>227- Development of 6LoWPAN Adaptation Layer with Fragmentation and Reassembly Mechanisms by using Qualnet Simulator (Gee Keng Ee- Malayisa)</p>
			<b>Data Mining</b>	
			<p>224- Developing a Team Performance Prediction Model: A Rough Set Approach (Mazni Omar-Malaysia)</p> <p>243- Mining the friendship relation of children from the activity data (Hirohide Haga- Japan)</p> <p>476- Practical evaluation and issues of applied Data Mining (Wieslaw Pietruszkiewicz-Poland)</p> <p>191- User Behavioral intention Toward Using Smart Parking System (SPS) (Amin Kianpisheh- Malaysia)</p>	

Coffee break served from 4:20-4:40 pm

**Date: 14<sup>th</sup> November 2011**

**Time: 4:40 - 6:40+**

<b>Title</b>	<b>Neural Networks</b>	<b>Information and Data Management</b>	<b>Data Mining</b>	<b>Image Processing</b>
<b>Room</b>	<b>Dewan Kuliah 4</b>	<b>Dewan Kuliah 5</b>	<b>Banquet Hall</b>	<b>Dewan Jumah</b>
<b>Chair</b>	<b>Dr. Indra Rajasingh Saman Shoja</b>	<b>R. Rajesh Annapura P Pati</b>	<b>Dr. Mohd Nazri Bin Kama Heri Kuswanto</b>	<b>Mehran Emadi J. Satheesh Kumar</b>
	<p>60- Artificial Intelligence and Statistical Techniques for Time Series Prediction in Healthcare (Purwanto Purwanto- Malaysia)</p> <p>309- Design of Experiment to Optimize the Architecture of Wavelet Neural Network for Forecasting the Tourist Arrivals in Indonesia (Bambang W Otok- Indonesia)</p> <p>425- A Review of Classification Approaches Using Support Vector Machine in Intrusion Detection (Noreen Kausar- Malaysia)</p> <p>325- Hybrid ARIMA and Neural Network Model for Measurement Estimation in Energy-Efficient Wireless Sensor Networks (Reza Askari Moghadam - Iran)</p>	<p>419- Partial Plagiarism Detection using String Matching with Mismatches (Tetsuya Nakatoh- Japan)</p> <p>137- A Survey on Data Integration in Bioinformatics (Wahidah Husain- Malaysia)</p> <p>221- Spatial Information Databases Integration Model (Wan Aezwani Wan Abu Bakar- Malaysia)</p> <p>305- Privacy in Health Information System: A Review (Nasriah Zakaria- Malaysia)</p> <p>449- The Effect of Organizational, External, Social, Trust, Information Technology Factors and Knower's' Attitude on Knowledge Sharing (Lean Makhubele- South Africa)</p>	<p>119- Intelligent Web proxy Caching Approaches Based on Support Vector Machine(Siti Mariyam Shamsuddin- Malaysia)</p> <p>156- Maximizing the Early Abandon Effect in Time-Series Similar Sequence Matching (Jeong-Gon Lee- Korea)</p> <p>213- AIFSA: A New Approach for Feature Selection and Weighting (Walid Fouad- Egypt)</p> <p>445- A Preprocessing for Approximate String Matching (Kensuke Baba- Japan)</p> <p>179- Applying Rules for Representing and Reasoning of Objective Product Use Information Exemplarily for Injection Molding Machines (Madjid Fathi - Germany)</p> <p>273- Granular Computing Based Data Mining in the Views of Rough Set and Fuzzy Set (Yousef Farhang- Malaysia)</p> <p>261- Power Properties of Linearity and Long Memory Tests: A Simulation Study(Heri Kuswanto- Indonesia)</p> <p>163- A Self Acting Initial Seed Selection Algorithm for K-means Clustering Based on Convex-hull (S. M. Shahnewaz- Canada)</p> <p>307- Supplier selection: a hybrid approach using ELECTRE and Fuzzy clustering (Amirhossein Azadnia- Malaysia)</p>	<p>10- Performance Study of Two-Dimensional Orthogonal Systolic Array (Ahmad Husni Mohd Shapri- Malaysia)</p> <p>152- Exploring Particle-Based Caricature Generations(Somnuk Phon-Amnuaisuk- Malaysia)</p> <p>293- On Robustness of Fractal Analysis to Geometric Transformations and Illumination (Samir H. Abdul-Jauwad - Malaysia)</p> <p>353- A New SIFT-based Camera Calibration Method for Hybrid Dual-Camera (Low Yi Qian- Malaysia)</p> <p>239- Performance Evaluation of Density based Graph Cuts Segmentation Technique of Mammograms (Nafiza Saidin - Malaysia)</p> <p>164- User Acceptance of Panoramic Views as a Technique for Virtual Tour in an Educational Environment (Asma Haneef Ariffin- Malaysia)</p> <p>375- Biclique Cover of Complete Graph <math>K_n</math> and Honeycomb Network <math>HC(n)</math> (Vasanthika S- India)</p> <p>455- Could Aura Images Can Be Treated As Medical Images? (Rejesh R- India)</p> <p>435- Automatic 3D Image Segmentation using Adaptive k-means on Brain MRI (Luciano Nieddu- Italy)</p>
	<p><b>Web Applications and Software Systems</b></p> <p>178- A semantic layer for a Peer-to-Peer based on a distributed hash table (AMMARI Mohammed-Morocco)</p> <p>189- Design and Development of a Ubiquitous Cancer Care System: A Collaborative Communication among Cancer Community (Ariffin Abdul Mutalib- Malaysia)</p> <p>7- A Framework of Hybrid Semantic Speech Query via Stemmer for Quran Documents Results(Mohd Amin Mohd Yunus- Malaysia)</p> <p>271- Visualisation Support for the Protégé Ontology Competency Question based Conceptual-Relationship Tracer (Muthukaruppan Annamalai- Malaysia)</p>	<p>59- Advisory System Architecture in Agricultural Environment to Support Decision Making Process (Junaidah Kassim - Malaysia)</p> <p>410- A Process Model of KMS Adoption &amp; Diffusion in Organization: An Exploratory Study (Sureena Matayong - /Malaysia)</p>		

**Dinner Nov. 14, at 19:30. The location is UTM - Dewan Besar (Main Hall)**

**Date: 15<sup>th</sup> November 2011**

**Time: 8:30 - 10:30+**

<b>Title</b>	<b>Artificial Intelligence and Soft Comp.</b>	<b>Mobile Computing</b>	<b>Wireless Network</b>	<b>Multimedia</b>
<b>Room</b>	<b>Dewan Kuliah 4</b>	<b>Dewan Kuliah 5</b>	<b>Banquet Hall</b>	<b>Dewan Jumah</b>
<b>Chair</b>	Farhad Navabifar Sajjad Dadkhah	Dr. A.V Senthil Kumar Dr. Sundar Gopalakrishnan	Shahidayah Razali Shohreh Honarbakhsh	Dr. Chee Kyun Ng Farnaz Arab
	<p>450- A Bottom-Up Algorithm for Solving Query-Answering Problems (Kiyoshi Akama- Japan)</p> <p>175- Using neural networks to detect errors in coding exams (Jacek Stando-Poland)</p> <p>428- GPS Based Tracking Framework for Walking Pedestrian (Teddy Mantoro- Malaysia)</p> <p>432- BBQE: Multi-language String Search Approach for Blackberry Environment (Teddy Mantoro-Malaysia)</p> <p>306- Bottleneck Monitoring and Resource Allocation of Aerospace Sheet Metal Shop (Hsien-Ming Chang-Taiwan)</p> <p>351- Arabic Spoken Language Identification System (ASLIS)(Areej Alshutayri- Saudi Arabia)</p> <p>223- Fuzzy Based Approach for Complaint Management (Razulaimi Razali- Malaysia)</p>	<p>83 - Towards using Social Networks and Internet Enabled Mobile Devices for Learning: Student's Preparedness (Faith Shimba- Tanzania)</p> <p>357- A Study towards Proposing GPS-Based Mobile Advertisement Service (Pantea Keikhosrokiani - Malaysia)</p> <p>53- Flexi-adaptor; A Nobel Approach for Adapting Web Content for Mobile Devices (Chin Kuan Ho- Malaysia)</p> <p>355- A Comparative Evaluation of Web Service Discovery Approaches for Mobile Computing (Nor Azizah Binti Sa'adon-Malaysia)</p> <p>214- User Profiling with Virtual Pet for Mobile Device Authentication (Shu Yun Lim- Malaysia)</p> <p>184- Smartphone Forensics: A Case Study with Nokia E5-00 Mobile Phone (Ali Dehghantanha – Malaysia)</p> <p>198- Bluetooth Inter-piconet Congestion Avoidance Protocol through Network Restructuring (Sabeen Tahir- Malaysia)</p>	<p>288- Wireless Controller Area Network using Token Frame Scheme (Wei Lun Ng- Malaysia)</p> <p>155- Low-Dropout Regulator in an Active RFID System Using Zigbee Standard with Non-Beacon Mode (Rizal Azodin/Zaini bt. Abdul Halim-Malaysia)</p> <p>316- Distributed, Energy-Efficient, Fault Tolerant, Weighted Clustering (Javad Memariani- Malaysia)</p> <p>392- Development of TelG Mote for Wireless Biomedical Sensor Network (WBSN) Application (Mohd Rozaini Abd Rahim- Malaysia)</p> <p>416- Delay-Based Loss Discrimination Mechanism for Congestion Control in Wireless Ad-Hoc Network (Adib M.Monzer Habbal- Malaysia)</p> <p>488 - Semi-implicitMethod of Fast Active Contour Models Using Iterative Method for Edge Detection ((Norma Alias - Malaysia)</p>	<p>231- Performance Evaluation of the Developed Automatic Musical Note Translating System (Chee Kyun Ng – Malaysia)</p> <p>140- Motion Tweening for Skeletal Animation by Cardinal Spline (Murtaza Ali Khan- Bahrain)</p> <p>397- Preliminary Investigation on the Use of Augmented Reality in Collaborative Learning (Wannisa Matcha- Malaysia)</p>
				<b>Grid Computing</b>
				<p>101- A New Model for Resource Discovery in Grid Environment(Mahdi MollaMotalabi- Malaysia)</p> <p>275- Staggered Grid Computation of Fluid Flow with an Improved Discretisation of Finite Differencing (Nursalasawati Rusli- Malaysia)</p>
				<b>Social Networks</b>
				<p>321- Recycling Resource of Furnitures for Reproductive Design with Support of Internet Community(Masatoshi Imai- Japan)</p> <p>89- Towards an Understanding of Software Development Process Knowledge in Very Small Companies (Shuib Basri- Malaysia)</p>

**Coffee served from 10:30 10:45**

**Date: 15<sup>th</sup> November 2011**

**Time: 10:45 – 1:00+**

Title	Tutorial	Biometric Technologies	Miscellaneous topics in Digital Information and Communications	Artificial Intelligence and Soft Comp.
Room	Dewan Kuliah 4	Dewan Kuliah 5	Banquet Hall	Dewan Jumah
Chair	Saman Shoja Sajjad Dadkhah	Shanthi A. S Sundara Rajan. R.	Dr. Rajan Bharati Mohamed Saleem	Dr. Suhartono Suhartono Farhad Navabifar
	<p><b>Tutorial:</b>  <b>Title : Memory Harvesting to find Netcat backdoors (Dr. Ali Dehghantanha)</b></p>	<p>371- Leveraging Wireless Sensors and Smart Phones to Study Gait Variability (E Martin-USA)</p> <p>328- Recognizing Individual Sib in the Case of Siblings with Gait Biometric (W.Noorshahida Mohd-Isa- Malaysia)</p> <p>337- Diagnosis of Diabetes using Intensified Fuzzy Verdict Mechanism (A.V Senthil Kumar-India)</p> <p>162- Community Trust Stores for Peer-to-Peer e-Commerce Applications (Elizabeth Andrew (Ahmad H. Fauzi- UK)</p> <p>452- A Dynamic Timestamp Discrepancy Against Replay Attacks in MANET(Enneya nourddine- Morocco)</p> <p>195- Investigation of Bypassing Malware Defences and Malware Detections (Ali Dehghantanha - Malaysia)</p> <p>401- Towards Automatic Forensic Face Recognition (Tauseef Ali- Netherlands)</p>	<p>386- Investigation of Collaborative Interaction using ITB-based Setting Vs Computer-based setting (Jafreezal B Jaafaar - Malaysia)</p> <p>125- Point-to-Point Communication on Gigabit Ethernet and Infiniband Networks (Roswan Ismail- Malaysia)</p> <p>361- Detecting unknown program behaviour using API system calls (Rafiqul Islam - Australia)</p> <p>76- System Level Performance Analysis Design Patterns(Carolyn Rosiene- USA)</p> <p>64- Parallel versus Perpendicular plots: A comparative study(Raja Jamilah Raja Yusof- Malaysia)</p> <p>26- Conceptual Design System for Monitoring Electrical Loads (Murad Taher- Yemen)</p> <p>449 - The Effect of Organizational, External, Social, Trust, Information Technology Factors and Knower's' Attitude on Knowledge Sharing (Lean Makhubele – South Africa)</p>	<p><b>Keynote Speech</b>  <b>Prof. Dr. Naomie Salim (UTM)- Chemistry Informatics - Trends And Future</b></p> <p>146- A Weighted Fuzzy Integrated Time Series for Forecasting Tourist Arrivals(Suhartono Suhartono- Indonesia)</p> <p>186- Ant Based Routing Protocol for Visual Sensors(Li-Minn Ang- Malaysia)</p> <p>296- Numerical Methods for Fuzzy Initial Value Problems under Different Types of Interpretation: A Comparison Study(Muhammad Zaini Ahmad- Malaysia)</p> <p>461- Planning and Project Control with EXCEL Software in Asalouyeh 5th Olefin Project (Adnan Keshvari- Iran)</p>
<p><b>1:00- 2:00 Lunch at Dewan Besar, UTM International Campus</b></p>				

		<b>Date: 15<sup>th</sup> November 2011</b>		<b>Time: 2:00 - 4:20</b>	
<b>Title</b>	<b>Tutorial</b>	<b>Distributed and Parallel Computing</b>	<b>Networks</b>	<b>Information Security</b>	
<b>Room</b>	<b>Dewan Kuliah 4</b>	<b>Dewan Kuliah 5</b>	<b>Banquet Hall</b>	<b>Dewan Jumah</b>	
<b>Chair</b>	Dr. Akram Zeki Elfadil Sabeil Mohamed Ali	Shanthi A. S Mohamed Saleem	Dr. Suhartono Suhartono Farhang Jaryani	Dr. Sundar Gopalakrishnan Saman Shoja	
	<p><b>Tutorial:</b> <b>Title : Amateur Radio Networking and Communications (Miroslav Skoric – Serbia)</b></p>	<p>158- A Parallel Abstract Machine for the RPC Calculus (Shin-ya Nishizaki- Japan)</p> <p>182- Optimization of Task Processing Schedules in Distributed Information Systems (Janusz Getta- Australia)</p> <p>262- On rewriting of planar 3-regular graphs (Kohji Tomita- Japan)</p> <p>207- An Intelligent Query Routing Mechanism for Distributed Service Discovery with Underlay Awareness (Mohamed Saleem Haja Nazmudeen- Malaysia)</p> <p>248- A Methodology for Distributed Virtual Memory Improvement (Sahel Alouneh- Jordan)</p> <p>366- Radio Antipodal Number of Certain Graphs (Charles Robert Kenneth- India)</p> <p>359- A Comparative Study on Quorum-Based Replica Control Protocols for Grid Environment (Zulaile Mabni- Malaysia)</p> <p>252- Induced Matching Partition of Sierpinski and Honeycomb Networks (Shanthi A. S.- India)</p>	<p>348- Irregular Total Labeling of Butterfly and Benes Networks (Francis X Santiago (Teresa Arockiamary Santiago- India)</p> <p>391- The Four Point-EDGMSOR Iterative Method for Solution of 2D Helmholtz Equations (Mohd Kamalrulzaman Md Akhir- Malaysia)</p> <p>258- New model for Shariah-compliant portfolio optimization under Fuzzy Environment (Younes Elahi- Malaysia)</p> <p>212- Introducing Knowledge-Enrichment Techniques for Complex Event Processing (Sebastian Binnewies- Australia)</p> <p>417- An Algorithm to Improve Cell Loss and Cell Delay Rate in ATM Networks by Adopting Dynamic Spacer (Wu Woan Kim- Korea)</p> <p>406- Low Complexity PSO-Based Multi-Objective Algorithm and Its Potential Application (Yakubu S. Baguda - Malaysia)</p> <p>424 Optimizing Distributed Cooperative Sensing Performance Using Swarm Intelligence (Yakubu S. Baguda - Malaysia)</p>	<p>289- Realizing Proxy Re-encryption in the Symmetric World (Amril Syalim- Japan)</p> <p>208- Protocol Share Based Traffic Rate Analysis (PSBTRA) for UDP Bandwidth Attack (Zohair Ihsan-Malaysia)</p> <p>120- User-centered Evaluation of Privacy Models for Protecting Personal Medical Information (Suhaila Samsuri- Malaysia)</p> <p>382- A Lightweight &amp; Stable Authentication Method for the Internet Access Control in Smartphones (SeongMin Yoo- Korea)</p> <p>356- Enhanced Email Spam Prevention through Sender Verification Dual Models (Benchaphon Limthanmaphon- Thailand)</p> <p>451- Extending Use and Misuse Case Diagrams to Capture Multi-Channel Information Systems (Sundar Gopalakrishnan- Norway)</p> <p>215- A Systematic Management Method of ISO Information Security Standards for Information Security Engineering Environments (Ahmad Iqbal Hakim Suhaimi- Japan)</p> <p>423 - Diffusion Model of Isothermal Evaporation in Drying Tropical Fruits (Norma Alias - Malayisa)</p>	
<b>Break from 4:20-4:40 pm</b>					

**Date: 15<sup>th</sup> November 2011**

**Time: 4:40- 6:40+**

Title	Rescheduled Presentations	Distributed and Parallel Computing	Networks	Information Security
Room	Dewan Kuliah 4	Dewan Kuliah 5	Banquet Hall	Dewan Jumah
Chair	Farnaz Arab Shohreh Honarbakhsh	Sundara Rajan. R. Shahidayah Razali	Dr. Akram Zeki Elfadil Sabeil Mohamed Ali	Dr. Sundar Gopalakrishnan Hamed Taherdoost
		<p>429- PI Index of Mesh Structured Chemicals (S.Sarah Surya- India)</p> <p>318- Enabling GPU Processing with Messaging Middleware (Li Zhang- Singapore)</p> <p>343- Wide Diameter of Generalized Fat Tree (Sundara Rajan. R- India)</p> <p>347- Topological Properties of Sierpinski Gasket Pyramid Network (shanthakumari A- India)</p> <p>272- On the Crossing Number of Generalised Fat Trees (Vasanthi Beulah P.- India)</p> <p>345- The Spectrum of Sierpiński Triangles using MATLAB (Sudeep Stephen - India)</p> <p>346 Energy of Grid based Networks using MATLAB (Cyriac Grigorious - India)</p> <p style="text-align: center;"><b>Rescheduled Presentations</b></p>	<p>374- Evaluation of Network Performance with Packet Measuring - A Trial Approach of Performance Evaluation for University Campus Network (Yoshiro Imai- Japan)</p> <p>363- Empirical Study on Quality Requirements of Migration Metadata (Feng Luan- Norway)</p> <p>130- Workflow Engine Performance Evaluation by a Black-Box Approach (Giuseppe Pozzi- Italy)</p> <p>383- Third Order Accelerated Runge-Kutta Nystrom Method for Solving Second-Order Ordinary Differential Equations (Fudziah Ismail- Malaysia)</p> <p>308- Hybrid Local Polynomial Wavelet Shrinkage for Stationary Correlated Data (Alsaïdi Altaher- Malaysia)</p> <p>447- An Approximation Algorithm for the Achromatic Number of Hex Derived networks (Varalakshmi Manohar- India)</p> <p style="text-align: center;"><b>Rescheduled Presentations</b></p>	<p>138- Authentication Tests based on Distributed Temporal Protocol Logic for the Analysis of Security Protocols(Shahabuddin Muhammad- Saudi Arabia)</p> <p>218- A Study of Attribute-Based Encryption for Body Sensor Networks (Bok-Min Goi- Malaysia)</p> <p>333- Digital Images Encryption in Frequency Domain Based on DCT and One Dimensional Cellular Automata (Ehsan Khoshbakht- UK)</p> <p>124- Study of the effect DCT and DWT domains on the robustness of Genetic watermarking (Shahidan M Abdullah- Malaysia)</p> <p>190- An implementation of Hybrid Algorithm for Diagnosing MRI Images using Image Mining Concepts (A Kannan- India)</p> <p style="text-align: center;"><b>Rescheduled Presentations</b></p>



**The International Conference  
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**TENTATIVE PROGRAM**

**LAUNCHING CEREMONY**

NO	TIME	ACTIVITY
1	7.30am- 9.30am	Registration
2	9.30am -9.40am	Introduction & greet Announce : Welcome Speech by Dean of UTM AIS- Host of Conference, Prof. Dr. Shamsul Mohd Shahibudin, at the Jumaah Hall (Dewan Jumaah)
3	9.40am-9.50am	Speech from SDIWC, Dr. Eyas El-Qawasmeh, at Dewan Jumaah
4	9.50am-10.00am	Opening Ceremony- Director of UTM International campus, Prof. Dr. Hamdani Saidi - Jumaah Hall (Dewan Jumaah)
5	10.00am – 10.30am	Keynote Speech- Prof. Dr. Ezendu – London Metropolitan University
6	10.30am-11.00am	AM Break
7	11.00am-1.30+pm	1 <sup>st</sup> Round Session
8	1.00 pm	Lunch

*\*\*Attire : Formal.*

**DINNER**

NO	TIME	ACTIVITY
1	8.00pm	Student arrival
2	8.15pm	VIP Arrival
3	8.30pm	Introduction & greet Announce :Welcoming General Chair for Welcome Speech.
4	8.45pm	Dinner starts
5	9.00pm	Traditional Performance - Silat - Welcoming Dance - Dikir Barat - 1Malaysia Dance
6	10.30pm	Closing

*\*\* Attire: Batik / Traditional*

**THE INTERNATIONAL CONFERENCE ON INFORMATICS ENGINEERING  
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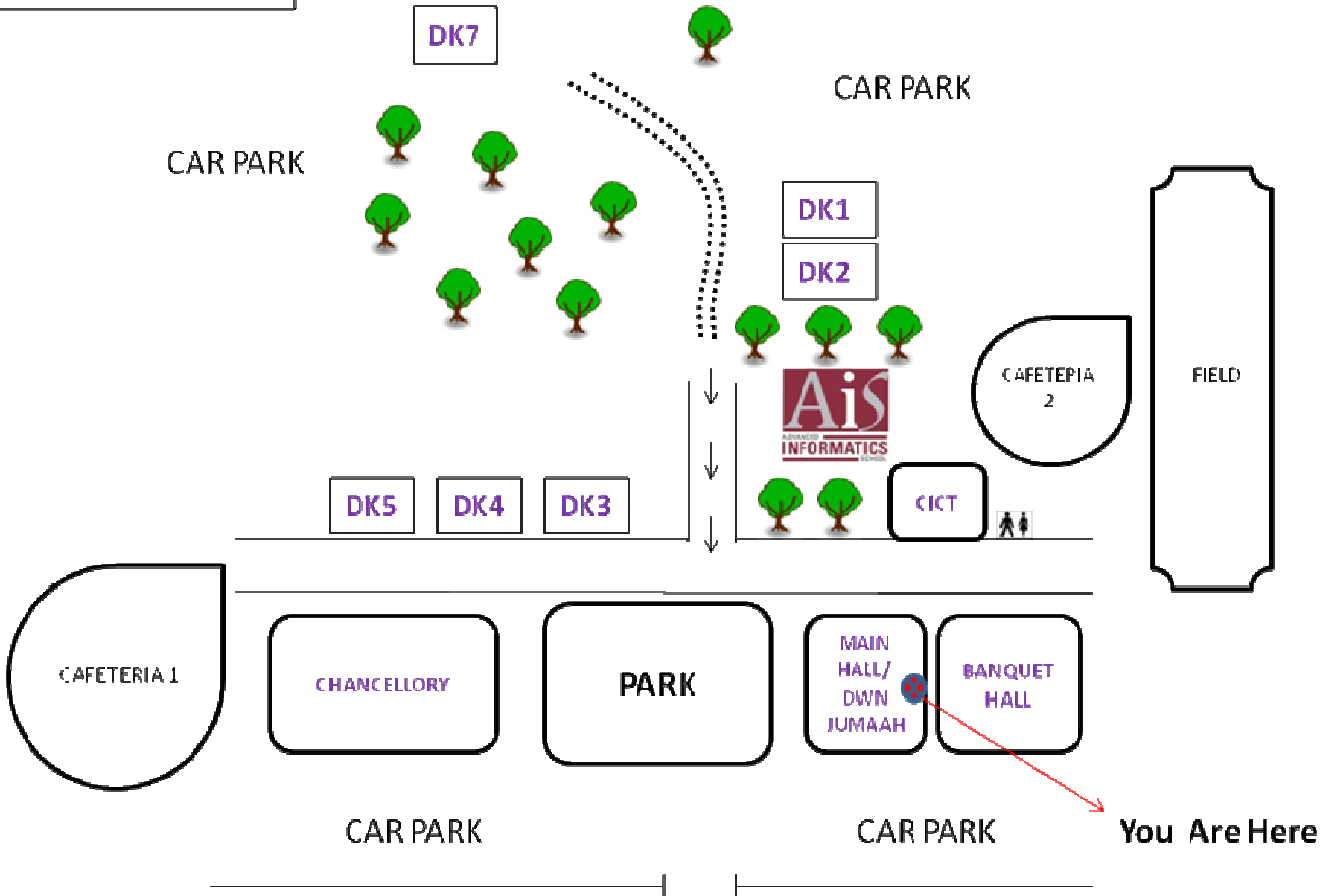
**16 NOVEMBER 2011**

**9.00 AM - 4.00PM**

**KUALA LUMPUR / PUTRAJAYA TOUR**

- 0830 Gathered at the Universiti Teknologi Malaysia, International Campus, Kuala Lumpur
- 0900 Depart from UTM to Putrajaya for tour
- Photostop at the Seri Wawasan Bridge
- Putrajaya International Convention Centre (PICC) for a bird's eye view of Putrajaya
- Dataran Putra – Prime Minister's Office, Putra Mosque
- Istana Darul Ehsan, Putrajaya Lake
- Lunch at the Food Court of Putrajaya (own expense)
- 1330 Depart from Putrajaya for City tour, Kuala Lumpur
- King's Palace
- Passes by \* Lake Gardens
- \* Bird Park
- \* Orchid Garden
- \* National Planetarium
- \* Police Museum
- \* National Mosque
- Photostop at the Independence Square
- Sultan Abdul Samad Building
- Royal Selangor Club, St Mary's Church
- 1530 Tour end, back to UTM

# UTM's MAP



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14<sup>th</sup> – 16<sup>th</sup> November 2011

Universiti Teknologi Malaysia  
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MALAYSIA