Asia Modelling Symposium
AMS2008

Kuala Lumpur 13 – 15 May 2008

Conference Schedule

AMS2008 Conference Schedule at a Glance

Monday 12 May 2008

1.30 Registration desk opens, Floor M Equatorial hotel

2.00 Kuala Lumpur Day Tour, pick up from Equatorial hotel, return to hotel at 5pm, $15 book/pre-pay on EDAS

6.00 Get-Together and Registration at Equatorial Hotel, Floor M

Session Code: 1.pm1.B ◄

Day: 1, 2, 3   time: am1, am2, pm1, pm2   Room: B, C, M, R   **Paper Code**: see following pages for a full list:

Track: A, B, C . . ⟶ C3 ◄   number within track

Day-1: Tuesday 13 May 2008, Floor M

Time	**Room B:** Ballroom	**Room C:** Cempaka	**Room M:** Melati	**Room R:** Raya
9 – 10.40	**Ballroom: Opening Session and Keynote Speakers Yukio Ohsawa and Janos-Sebestyen Janosy**			
10.40-11.10	Refreshment Break			
11.10-12.40	**Ballroom: Keynote Speakers Marcelo Ang, Jr and Paulus Rahardjo**			
12.45-1.45	Lunch			
1.45- 3.25	**1.pm1.B: C1, C3, C5, C7, C9**	**1.pm1.C: E1, E2, E3, E4, E5**	**1.pm1.M: D2, D3, D5, D6, D7**	**1.pm1.R: F1, F2, F3, F4, F5**
3.25-3.55	Refreshment Break			
3.55-5.15	**1.pm2.B: B1, B3, B4, C10**	**1.pm2.C: E7, E8, E9, E10**	**1.pm2.M: Gh1, Gh2, Gh3, Gh4**	**1.pm2.R: E11, E12, E13, E14**
5.15 - 7	Free time/dinner (at own expense)			
7	KL by night tour: $15 book/pre-pay on EDAS			

Day-2: Wednesday 14 May 2008, Floor M

Time	Room B	Room C	Room M	Room R
9 – 10.40		**2.am1.C: E16, E17, E18, E19, E20**	**2.am1.M: D8, D9, D11, 12, D13**	**2.am1.R: E21, E22, E23, E24, E25**
10.40-11.10	Refreshment Break			
11.10-12.30		**2.am2.C: F6, F7, F8, F9**	**2.am2.M: Gh5, Gh6, Gh7, Gh8**	**2.am2.R: G1, G2, G3, G4**
12.30-1.30	Lunch			
1.30-3.10		**2.pm1.C: F10, F11, F13, F14, F15**	**2.pm1.M: H1, H2, H3, H5, H7**	**2.pm1.R: G6, G7, G8, G9, G10**
3.10-3.40	Refreshment Break			
3.40-5.20		**2.pm2.C: Gh9, Gh10, Gh11, K17**	**2.pm2.M: H8, H9, H10, H11, E6**	**2.pm2.R: G11, G12, G13, G14**
7 - 9	AMS2008 Conference Dinner: KL Tower Revolving Restaurant, $47 book/pre-pay on EDAS			

Day-3: Thursday 15 May 2008, Floor M   (Anggerick Room, Floor 4)

Time	**Room B** (Anggerick Room, Floor 4)	Room C	Room M	Room R
9 – 10.40	**3.am1.B: G15, G17, G18, G19, G21**	**3.am1.C: I2, I3, I4 I6, I7**	**3.am1.M: K1, K2, K3, K4, K6**	**3.am1.R: L1, L2, L3, L4, L5**
10.40-1.10	Refreshment Break			
11.10-12.30	**3.am2.B: G23, G25, G26, G28**	**3.am2.C: I8, I9, I11, I12**	**3.am2.M: K7, K8, K9, K10**	**3.am2.R: J1, J2, J3, J4**
12.30-1.30	Lunch			
1.30-3.10	**3.pm1.B: L6, L7, L8, L9, L13**	**3.pm1.C: L14, L15, L19, L20**	**3.pm1.M: K11, K13, K14, K15, K16**	**3.pm1.R: J5, J6, J7, J9, J10**
3.10-3.40	Refreshment Break			
3.40-5	**3.pm2.B: G29, G30, J11, J12**	**3.pm2.C: I13, I14, A1, F12**	**Session 3.pm2.M**	**Session 3.pm2.R**
7 - late	Farewell Party(ies)/Dinner (at own expense)			

J1, J7: removed   **G18 replaces G16**   **A1 & A15 swap sessions**   **E6 is added**

	AMS2008 Conference Schedule at a Glance			

Session Chairs

Session Code: 1.pm1.B

Day: 1, 2, 3   time: am1, am2, pm1, pm2   Room: B, C, M, R

Day-1: Tuesday 13 May 2008

Time	**Room B:** Ballroom	**Room C:** Cempaka	**Room M:** Melati	**Room R:** Raya
9 – 10.40	**Ballroom: Dvaid Al-Dabass** Opening Session and Keynote Speakers I and II			
10.40-11.10	Refreshment Break			
11.10-12.40	**Ballroom: Steve Turner** Keynote Speakers III & IV			
12.45-1.45	Lunch			
1.45- 3.25	**1.pm1.B: Ali Selamat, Jafar Habibi**	**1.pm1.C: Asfand-E Yar**	**1.pm1.M: Yong-Meng Teo**	**1.pm1.R: Zuwairie Ibrahim**
3.25-3.55	Refreshment Break			
3.55-5.15	**1.pm2.B: Li-Pei Wong**	**1.pm2.C: Hisham Khamis**	**1.pm2.M: Siti Zaiton Mohd Hashim**	**1.pm2.R: Asfand-E Yar**
5.15 - 7	Free time/dinner (at own expense)			
7	KL by night tour: $15 book/pre-pay on EDAS			

Day-2: Wednesday 14 May 2008

9 – 10.40		**2.am1.C: Hisham Khamis**	**2.am1.M: Rassul Ayani**	**2.am1.R: Shakeel Ahmad**
10.40-11.10	Refreshment Break			
11.10-12.30		**2.am2.C: Habibollah Haron**	**2.am2.M: Siti Mariyam Shamsuddin**	**2.am2.R: Ajith Abraham**
12.30-1.30	Lunch			
1.30-3.10		**2.pm1.C: Suiping Zhou**	**2.pm1.M: Yuri Merkuryev**	**2.pm1.R: Ajith Abraham**
3.10-3.40	Refreshment Break			
3.40-5		**2.pm2.C: Siti Mariyam Shamsuddin**	**2.pm2.M: Teruaki Ito**	**2.pm2.R: David Al-Dabass**
7 - 9	AMS2008 Conference Dinner: KL Tower Revolving Restaurant, $47 book/pre-pay on EDAS			

Day-3: Thursday 15 May 2008

9 – 10.40	**3.am1.B: Patrick Wong**	**3.am1.C: Alessandra Orsoni**	**3.am1.M: Jasmy Yunus**	**3.am1.R: Manaf Hashim**
10.40-1.10	Refreshment Break			
11.10-12.30	**3.am2.B: Patrick Wong**	**3.am2.C: Alessandra Orsoni**	**3.am2.M: Jasmy Yunus**	**3.am2.R: Stephen Turner**
12.30-1.30	Lunch			
1.30-3.10	**3.pm1.B: Ooi Chia Yee**	**3.pm1.C: Manaf Hashim**	**3.pm1.M: Jasmy Yunus**	**3.pm1.R: Sarim Al-Zubaidy**
3.10-3.40	Refreshment Break			
3.40-5	**3.pm2.B: Stephen Turner**	**3.pm2. Alessandra Orsoni**	**Session 3.pm2.M**	**Session 3.pm2.R**
7 - late	Farewell Party(ies)/Dinner (at own expense)			

4

| F-15 | Visualizing the Yield Pattern Outcome for Automatic Data Exploration | Norulazmi | Megat |

TRACK-Gh Hybrid Soft Computing

Gh-1	A Time Warping Speech Recognition System Based on Particle Swarm Optimization	Saeed	Rategh
Gh-2	Data Reduction and Ensemble Classifiers in Intrusion Detection	Anazida	Zainal
Gh-3	Hybridization Model of Linear and Nonlinear Time Series Data for Forecasting	Roselina	Sallehuddin
Gh-4	An Approach Using Hybrid Methods to Select Informative Genes from Microarray Data for Cancer Classification	Mohd Saberi	Mohamad
Gh-5	Data Modeling for Kuala Lumpur Composite Index with ANFIS	Zuriahati	Mohd Yunos
Gh-6	Handwritten Digits Recognition using Particle Swarm Optimization	Nasser	Ba-Karait
Gh-7	a co-evolutionary fuzzy system for real-time signal pre-processing	Amir Mohamad	Najafi-Ardebili
Gh-8	Augmentation of Elman Recurrent Network Learning with Particle Swarm Optimization	Firdaus	Ab Aziz
Gh-9	HiNFRA: Hierarchical Neuro-Fuzzy Learning for Online Risk Assessment	Kjetil	Haslum
Gh-10	Optimization of a Kraft Pulping System: Using Particle Swarm Optimization and Differential Evolution	Millie	Pant
Gh-11	Intelligent Web Caching Using Neurocomputing and Particle Swarm Optimization Algorithm	Sarina	Sulaiman

TRACK-G Intelligent Systems

G-1	Electronic Implementation of Biologically Inspired Vision Sensor	Dheerendra	Gangwar
G-2	Semantic Mining for Language Text Analysis	Natalie	Akam
G-3	Trajectories Planning in Presence of Obstacles for Manipulator Robots	Hentout	Abdelfetah
G-4	Language Identifications of Arabic Script Web Documents Using Independent Component Analysis	Ali	Selamat
G-6	Misuse Intrusion Detection using a Fuzzy-Metaheuristic Approach	Hamid	Mohamadi
G-7	Developing An Intelligent Table Tennis Umpiring System: Identifying The Ball From The Scene	Patrick	Wong
G-8	A blended text mining method for authorship authentication analysis	Philip	Sallis
G-9	Regional and Global Dynamics in East Asia: a data mining experience	Subana	Shanmuganathan
G-10	A Probabilistic Approach for Network Intrusion Detection	Kok Chin	Khor
G-11	Vibration Suppression Techniques in Feedback Control of a Very Flexible Robot Manipulator	Mohd Ashraf	Ahmad
G-12	A Mathematical Model of Consciousness	Yinsheng	Zhang
G-13	Coexistence of Wireless Sensor Networks (WSN) and Wireless Local Area Networks (WLAN) using Cognitive Radio	Muhammad Adib	Shanmuganathan
G-14	Computational intelligence and geo-informatics in viticulture	Subana	an
G-15	Higher Dimensional Cost Function for Synthesis of Evolutionary Algorithms by means of Symbolic Regression	Zuzana	Oplatková
G-16	Super Resolution Using Neural Network **cannot come**	Varsha	Patil
G-17	An Accomplished Simulator for Discrete Event Systems	Jih-Fu	Tu
G-18	Image Quality Assessments and Restoration for Face Detection and Recognition System Images	Nazaruddin	Omar
G-19	Intelligent Method for Designing Exact Orthogonal Blocking Matrix into Robust Wideband Beamformers Using Auxiliary Sensors	Jafar	Mohammed
G-21	Learning to Classify Threaten E-mail	Subramanian	Appavu alias

			Balamurugan
G-23	A Model to Optimize DNA Sequences Based On Particle Swarm Optimization	Noor Khafifah	Khalid
G-25	Modelling of Wheelchair on Two Wheels and Control, Invited	Salmiah	Ahmad
G-26	A new method to improve the gradient based search direction to enhance the computational efficiency of back propagation based Neural Network algorithms	Nazri	Mohd Nawi
G-28	Spectral Angle Based Kernels for the Classification of Hyperspectral Images Using Support Vector Machines	Mojtaba	Kohram
G-29	Analysis of Human-Inspired Biped Walk Characteristics in a Prototype Humanoid Robot for Improvement of Walking Speed	Hanafiah	Yussof
G-30	Video Wireless Sensor Network: Co-operative Vision Based Localization Method	Sharif	Amar

TRACK-H Transport, Logistics, Harbour and Marine Simulation

H-1	Simulation-based Approaches Towards Congestion Problems	Teruaki	Ito
H-2	Multi-Agent Simulation of Circular Pedestrian Movements Using Cellular Automata	Siamak	Sarmady
H-3	Safer Navigation of Ships by Image Processing & Neural Network	Gaurav	Santhalia
H-5	A Novel Approach for Intelligent Route Finding through Cumulative Proximity Evaluation	Yang Yaw	Chang
H-7	Supply Chain Simulation in the ECLIPS Project	Yuri	Merkuryev
H-8	Net-Centric Supply Chain Management Based, Invited	Agostino	Bruzzone
H-9	Advanced Supply chain Protection & Integrated Decision support System, Invited	Marina	Massei
H-10	Modelling of a Wave-based Bilateral Teleoperation System: a New Approach to Control a Two Degree of freedom Robot Model	Seyed Reza	Seyed Tabib
H-11	Crisis Management Simulation: Traffic Evacuation Study	Gary	Tan

TRACK-I Industry, Business and Management

I-2	Material Flow Planning in Multimodal Manufacturing Systems by Computer Simulation	Mohsen	Fattahi Ardakani
I-3	Implementing ITIL-based CMDB in the Organizations to Minimize or Remove Service Quality Gaps	Mohammad	Sharifi
I-4	Modeling Group Decision-Making for Collaborative Teams in Enterprises	Alessandra	Orsoni
I-6	Combining ITIL, COBIT and ISO/IEC 27002 in Order to Design a Comprehensive IT Framework in Organizations	Mohammad	Sharifi
I-7	Modeling Spirituality, Wellness and Quality of Life: A Study in Redang and Perhentian Island	Mahadzirah	Mohamad
I-8	Design and Implementation of Visual Inspection System in Automatic Bottling System based on PLC	Ir. Riza	Sulaiman
I-9	Managing the Learning Dynamics within the Projects Based Organization– A Novel Approach through Modelling and Simulation	Lewlyn	Rodrigues
I-11	Design and Simulation of a Numerical Controlled Throwing Device	Heinz	Frank
I-12	Simulation and Re-engineering of Truck Assembly Line	Muhammad	Imtihan
I-13	Designing and Simulating Chopping Process using Workspace5	Zuraini	Sukimin
I-14	Simulation for drying ceramic shell build up process	Zawati	Harun

TRACK-J Methodologies, Tools and OR

J-1	A Proposal for Modeling the Piloting System **cannot come**	Sarim	Al-Zubaidy
J-2	Simulation Study on Lens Manufacturing process Flow	Ezutah	Olugu
J-3	Low Bandwidth Self-Healing Key Distribution for Broadcast Encryption	Ratna	Dutta

7

J-4	Continuous Time State Space Model Identification Using Closed-Loop Data	Rosmiwati	Mohd-Mokhtar
J-5	A Bee Colony Optimization Algorithm for Traveling Salesman Problem	Li-Pei	Wong
J-6	An Efficient Algorithm for Isomorphic Problem on Generic Simple Graphs	Bao	Tran
J-7	DARA: Data Summarisation with Feature Construction, **cannot come**	Rayner	Alfred
J-9	Data Pre-Processing Methodology for Computational Experiment in Analyzing Protein Interaction Networks	Jamaludin	Sallim
J-10	Verification Framework for Detecting Safety Violations in UML Statechart Models of Reactive Systems	Chikmagalur	Prashanth
J-11	Improving Fault Tolerance by Virtualization and Software Rejuvenation	Thandar	Thein
J-12	Developing a New Petri net Tool for Simulation of Discrete Event Systems	Reggie	Davidrajuh

TRACK-K Bioinformatics and Biomedical Simulation

K-1	Quantum Genetic Algorithm for Multiple RNA Structural Alignment	Layeb	Abdesslem
K-2	Modelling of Muscle Extension and Flexion for FES-assisted Indoor Rowing Exercise, Invited	Zakaria	Hussain
K-3	An Improved In Silico Algorithm for Output Visualization of DNA Computing based on Real-Time PCR	Muhammad Faiz	Mohamed Saaid
K-4	AI-Cognitive Description in Visual Medical Pattern Mining and Retrieval	Lidia	Ogiela
K-6	Unravelling Prion Diseases using Molecular Dynamics Simulations	Mohd	Shamsir
K-7	Dynamic Simulation of Indoor Rowing Exercise for Paraplegics	Zakaria	Hussain
K-8	Evaluation of Ordering Methods for DNA Sequence Design based on Ant Colony System	Tri Basuki	Kurniawan
K-9	Protein Conformational Search Using Bees Algorithm	Hesham	Bahamish
K-10	Specific Absorption rate (SAR) on the Human Head as Function of Orientation of Plane Wave Radiation: FDTD-based Analysis	Gasmelseed	Akram
K-11	Modeling Information Pathway of Motor Control Using Coherence Analysis	Norlaili	Safri
K-13	Bipartite Graph for Protein Structure Matching	Fazilah	Othman
K-14	A Neural Network Based Approaches, Solving Haplotype Reconstruction in MEC and MEC/GI Models	Ehsan	Asgarian
K-15	Analyzing Time Course Gene Expression Data with Biological and Technical Replicates to Estimate Gene Networks by State	Osamu	Hirose
K-16	A Simple Deterministic Model for the Spread of Hand, Foot and Mouth Disease (HFMD) in Sarawak	Felix	Chuo
K-17	Type-2 Fuzzy System Based Blood Pressure Parameters Estimation	Moahmed	Al-Jaafreh

TRACK-L Circuits, Sensors and Devices

L-1	The Application of X-ray Detection System	Peng	Wan
L-2	Modeling and Simulation of Paralleled Series-Loaded-Resonant Converter	Alejandro	Polleri
L-3	The Ultimate Drift Velocity in Two Dimensional Quantum Limit	Mohammad Taghi	Ahmadi
L-4	The Sensing Performance of Undoped-AlGaN/GaN/Sapphire HEMT Hydrogen Gas Sensor.	Mazuina	Mohamad
L-5	Modeling and Characterization of Schottky Diode on AlGaAs/GaAs HEMT Structure for Rentenna Device	Norfarariyanti	Parimon
L-6	Modeling and Characterization of Capacitively Coupled Interdigital-Gated HEMT Plasma Device for Terahertz Wave Amplification	Zon Fazlila	Mohd Ahir
L-7	Design and Characterization of Planar Antennas on the Semi-Insulated GaAs for Rectenna Devices	Farahiyah	Mustafa
L-8	High-speed and power efficient lifting-based VLSI architecture for two-dimensional discrete wavelet transform	Ibrahim	Koko
L-9	a new method for active noise cancellation in the presence of three unknown moving sources	Mohammad	Abdollahpouri

9

Conference Schedule in Full

Tuesday, May 13

9:00 AM - 10:40 AM

KS.AM1: Opening welcome and Keynote Speakers I and II

Room B:Ballroom, David Al-Dabass (Nottingham Trent University, United Kingdom)

> ### Chance Discovery and Chance Creation: A Data-Visualization Approach to Value Sensitive Innovation
> Yukio Ohsawa (University of Tokyo, Japan)

> ### Simulators are the Key for Large-Scale Instrumentation and Control System Refurbishment Projects
> Janos-Sebestyen Janosy (KFKI AEKI, Budapest, Hungary)

11:10 AM - 12:40 PM

KS.AM2: Keynote Speakers III and IV

Room B:Ballroom, Stephen Turner (Nanyang Technological University, Singapore)

> ### Robotics: The New Emerging Applications
> Marcelo Ang, Jr (National University of Singapore, Singapore)

> ### Modeling and Simulation in Geotechnical Engineering for Interactive Design and Analysis with Finite Element Methods
> Paulus Rahardjo (Parayangan Catholic University, Indonesia)

1:45 PM - 3:25 PM

1.PM1.B: Day1.PM1.RoomB

C. Internet Modelling, Semantic Web & Ontologies
Room B:Ballroom, Ali Selamat (University of Technology Malaysia, Malaysia)Jafar Habibi (Sharif university, Iran)

> ### RDF Repository of Experts based on Context Oriented Automatic Annotation Framework
> Muna Hatem (University of Bradford, United Kingdom); Daniel Neagu (Bradford university, United Kingdom); Haider Ramadan (Sultan Qaboos University, Oman)

> ### O2DSS: A Framework for Ontology-based Decision Support Systems in Pervasive Computing Environment
> Amin Saremi (Sharif University of Technology, Azerbaijan); Mostafa Esmaeili (Sharif university of Techology, Iran); Jafar Habibi (Sharif university, Iran); Arman Ghaffari (High Council of Informatics, Iran)

> ### Towards a Model for Inferring Trust in Heterogeneous Social Networks
> Masoud Akhoondi (Sharif University of Technology, Iran); Jafar Habibi (Sharif university, Iran); Mohsen Sayyadi (Shahrif University of Technology, Iran)

> ### Promoting B2B Integration with Semantic Web Service Technologies
> Ali Rokni (Sharif, Iran); Jafar Habibi (Sharif university, Iran)

> ### Internet Attack Methods and Internet Security Technology
> Olalekan Adeyinka (University of East London, United Kingdom)

1.PM1.M: Day1.PM1.RoomM

D. Parallel & Distributed-1
Room M:Melati, Yong-Meng Teo (National University of Singapore, Singapore)

> ### Dependency Analysis of Message Packet Queues in Interconnection Networks with Faults
> Farshad Safaei (Institute for Theoretical Physics & Mathematics (IPM), Iran); Ahmad Khonsari (University of Tehran, Iran); Morteza Analoui (IUST, Iran); Aresh Dadlani (University of Tehran, Iran)

> ### A QoS Broker Based Architecture for Dynamic Web Service Selection
> Demian D'Mello (National Institute of Technology Karnataka, India)

> ### Parallelization Of Low-Level Computer Vision Algorithms On Clusters
> Sanjay Kadam (Center for Development of Advanced Computing (C-DAC), India)

> ### Distributed Autonomous System Design Technique to Enhance Synchronization Productivity in Distributed Simulations
> Asad Malik (National University of Science and Technology (NUST), Pakistan)

> ### Comparing the Accuracy of End-to-End Network Performance Measurement Testbed and Simulation Model for Data Transfers in Heterogeneous Environment
> Mohd Nazri Ismail (University of Kuala Lumpur, Malaysia)

1.PM1.C: Day1.PM1.RoomC

E. Performance Eng'g of Computer & Comm Systems-1
Room C:Cempaka, Asfand-E Yar (Aircom International Pakistan Private Limited, Pakistan)

Modified Stream Control Transmission Protocol over Broadband High Latency Networks
Geetam Tomar (Rustamji Institute of Technology, India); Brijesh Chaurasia (DAVV, Indore, India)

A Descriptive Performance Model of a Load Balancing Single System
Bestoun Ahmed (University Putra Malaysia, Malaysia)

Pre-Emptive Channel Assignment Scheme with Fair Queue Scheduling in Evolving Mobile Networks
Asfand-E Yar (Aircom International Pakistan Private Limited, Pakistan); Atta Qudoos (University of Bradford, United Kingdom); Atta Qudoos (Aircom International Pakistan Private Limited, Pakistan)

Performance Analysis of DSR & Extended DSR Protocols
Irfan Awan (University of Bradford, United Kingdom); Shakeel Ahmad (Gomal University, Pakistan)

Performance Modeling and Simulation of Microstrip Dipole Array Antenna for WLAN Application
Ping Jack Soh (Universiti Malaysia Perlis (UniMAP), Malaysia); Amir Razif Arief Jamil Abdullah (Universiti Malaysia Perlis, Malaysia); Aiza Mahyuni Mozi (Universiti Malaysia Perlis (UniMAP), Malaysia); Azremi Abdullah Al-Hadi (University Malaysia Perlis (UniMAP), Malaysia); M. Z. A. Abdul Aziz Zoinol Abidin (Universiti Teknikal Malaysia Melaka, Malaysia)

1.PM1.R: Day1.PM1.RoomR

F. Visualisation & Computer Games-1
Room R:Raya, Zuwairie Ibrahim (University of Technology Malaysia, Malaysia)

Image Retrieval Using Median Filtering and Color RGB Feature Information
Jongan Park (Chosun Univ., Korea)

An Improved Median Filter Based on Efficient Noise Detection for High Quality Image Restoration
Jafar Mohammed (Punjab Engineering College, India)

A Noise Elimination Procedure for Printed Circuit Board Inspection System
Zuwairie Ibrahim (University of Technology Malaysia, Malaysia); Noor Khafifah Khalid (Universiti Teknologi Malaysia, Malaysia); Ismail Ibrahim (Universiti Teknologi Malaysia, Malaysia); Shukri Abidin (University of technology malaysia, Malaysia); Musa Mokji (University of Technology Malaysia, Malaysia); Syed Abd Rahman Abu Bakar (Universiti Teknologi Malaysia, Malaysia)

Kinematics Modeling of Human Motion using System Identification Technique
Robiah Ahmad (Universiti Teknologi Malaysia, Malaysia)

Eye Detection Algorithm on Facial Color Images
Jalal Aldin Nasiri (Ferdowsi University of Mashad, Iran); Sara Khanchi (Yazd University, Iran); Hamid Reza Pourreza (Ferdowsi University of Mashad, Iran)

3:55 PM - 5:15 PM

1.PM2.B: Day1.PM2.RoomB

B. Agents & Simulation
Room B:Ballroom, Li-Pei Wong (Nanyang Technological University, Singapore)Malcolm Yoke Hean Low (Nanyang Technological University, Singapore)

ASRTS: An Agent-based Simulator for Real-Time Schedulers
Moutaz Saleh (Qatar University, Qatar)

Discrete-event System Simulation for Information Quality Assurance
Ying Su (Tsinghua University, P.R. China); Zhanming Jin (SEM, Tsinghua University, P.R. China)

Modelling Database Security through Agent-based Simulation
Raymond Chiong (Swinburne University of Technology (Sarawak Campus), Malaysia); Sandeep Dhakal (Swinburne University of Technology (Sarawak Campus), Malaysia)

Collaborative Wireless Information Granulation Architecture
Evtim Peytchev (Nottingham Trent University, United Kingdom); Ismail Kuchukdurgut (TUT, Turkey)

1.PM2.C: Day1.PM2.RoomC

E. Performance Eng'g of Computer & Comm Systems-2
Room C:Cempaka, Hisham Khamis (Universiti Teknologi Malaysia, Malaysia)

> ***The Performance Study of Two Genetic Algorithm Approaches for
> VLSI Macro-Cell Layout Area Optimization***
> Hasliza A Rahim (Universiti Malaysia Perlis, Malaysia)

> ***Performance Comparison of Three Types of Autoencoder Neural
> Networks***
> Chun Chet Tan (Multimedia University, Malaysia); Eswaran Eswaran
> (Multimedia University, Malaysia)

> ***Modified Routing Algorithm for AODV in Constrained Conditions***
> Geetam Tomar (Rustamji Institute of Technology, India)

> ***Performance Evaluation of Wireless Network in Presence of Hidden
> Node: A Queuing Theory Approach***
> Anjana Jain (Shri.G.S.Institute of Technology & Science, India)

1.PM2.R: Day1.PM2.RoomR

E. Performance Eng'g of Computer & Comm Systems-3
Room R:Raya, Asfand-E Yar (Aircom International Pakistan Private Limited,
Pakistan)Hisham Khamis (Universiti Teknologi Malaysia, Malaysia)

> ***Monte Carlo Simulation Based Error Performance Analysis of DS-
> CDMA System***
> Anjana Jain (Shri.G.S.Institute of Technology & Science, India); Akhilesh
> Dubey (SGSITS,Indore,M.P.(INDIA), India)

> ***A Time Slotted Model for All-Optical Variable-Length Packet Switching
> without Packet Alignment***
> Soung Yue Liew (Universiti Tunku Abdul Rahman, Malaysia); Andrew Tan
> (Universiti Tunku Abdul Rahman, Malaysia); Robert Tee (Universiti Tunku
> Abdul Rahman, Malaysia)

> ***Giving biological behavior to the turbo codes efficient interleaver with
> the genetic algorithms***
> Ouddane Nabil (VSB-TUO Technical university of Ostrava, Czech Republic)

> ***Experimental Performance Comparisons between SAODV&AODV***
> Mohaned Juwad (Brunel University, United Kingdom)

1.PM2.M: Day1.PM2.RoomM

G-1. Hybrid Soft Computing-1
Room M:Melati, Siti Zaiton Mohd Hashim (Universiti Teknologi Malaysia, Malaysia)

> ***A Time Warping Speech Recognition System Based on Particle Swarm
> Optimization***
> Saeed Rategh (Islamic Azad University, Science and Research Branch, Iran);
> Farbod Razzazi (Islamic Azad University, Science and Research Branch,
> Iran); Amir Masoud Rahmani (Science and research branch, Islamic Azad
> University, Iran); Shayan Gharan (Sharif University of Technology, Iran)

> ***Data Reduction and Ensemble Classifiers in Intrusion Detection***
> Anazida Zainal (Universiti Teknologi Malaysia, Malaysia)

> ***Hybridization Model of Linear and Nonlinear Time Series Data for
> Forecasting***
> Roselina Sallehuddin (University Technology Malaysia, Malaysia); Siti
> Mariyam Shamsuddin (Universiti Teknologi Malaysia, Malaysia); Siti Zaiton
> Mohd Hashim (Universiti Teknologi Malaysia, Malaysia)

> ***An Approach Using Hybrid Methods to Select Informative Genes from
> Microarray Data for Cancer Classification***
> Mohd Saberi Mohamad (Osaka Prefecture University, Japan); Sigeru Omatu
> (Osaka Prefecture University, Japan); Safaai Deris (Universiti Teknologi
> Malaysia, Malaysia); Michifumi Yoshioka (Osaka Prefecture University,
> Japan)

Wednesday, May 14

9:00 AM - 10:40 AM

2.AM1.M: Day2.AM1.RoomM

D. Parallel & Distributed-2
Room M:Melati, Rassul Ayani (Royal Institute of Technology (KTH), Sweden)Yong-Meng Teo (National University of Singapore, Singapore)

Modeling Considerations in BPO Multiplexing Environment
Abdul Quaiyum Ansari (Jamia Millia Islamia, New Delhi, India); Tapasya Patki (University of Arizona, USA)

Introduction of Novel Rule Based Algorithms for Scheduling in Grid Computing Systems
Aysan Rasooli (Amirkabir University of Technology,Tehran,Iran, Iran); Mohammad Mirza-Aghatabar (Sharif University of Technology, Iran); Siavash Khorsandi (Amirkabir University of Technology, Iran)

Automatic ontological web service management, new approach in semantic web
M-Hossein Moeinzadeh (University of Tehran, Iran); Sedigheh Khajouei-nejad (Dept. of Computer,Islamic Azad University of sijan, Iran); Amir Najafi-Ardebili (Ferdowsi University of Mashhad, Iran); Ali Ghazinezhad (Ferdowsi University of Mashhad, Iran); Vahid Salmani (Ferdowsi University of Mashhad, Iran)

Shared Variable Management in SOAr-DSGrid
Stephen Turner (Nanyang Technological University, Singapore); Xinjun Chen (Nanyang Technological University, Singapore); Wentong Cai (Nanyang Technological University, Singapore); Yong Wang (Nanyang Technological University, Singapore)

Modeling a Time and Space Efficient Parallel Text Searching
Ibrahim Umar (Universiti Sains Malaysia, Malaysia); Rosni Abdulla (Universiti Sains Malaysia, Malaysia)

2.AM1.C: Day2.AM1.RoomC

E. Performance Eng'g of Computer & Comm Systems-4
Room C:Cempaka, Hisham Khamis (Universiti Teknologi Malaysia, Malaysia)Irfan Awan (University of Bradford, United Kingdom)

Analysis of the Impact of Wavelength Converters on Contention Resolution in Optical Burst Switching
Ali Rajabi (Department of ECE, University of Tehran, Iran); Aresh Dadlani (University of Tehran, Iran); Farhad Hormozdiari (Student, Canada); Ahmad Khonsari (University of Tehran, Iran); Ahmad Kianrad (University of Tehran, Iran); Hassan Seyed Razi (University of Tehran, Iran)

Simulation Study of Real-time Load Distribution Routing in Wireless Sensor Networks
Adel. Ali (University Technology Malaysia, Malaysia); Norsheila Fisal (Universiti Teknologi Malaysia, Malaysia)

A Comparison of Queuing Models for Handover Strategies in Cellular Mobile Telecommunication Systems
Niemah Osman (Sudan University of Science and Technology, Sudan); Mike Woodward (University of Bradford, United Kingdom)

Towards Identifying Features of Trust in Mobile Ad Hoc Network
Normalia Samian (Universiti Teknologi Malaysia, Malaysia); Mohd Aizaini Maarof (Universiti Teknologi Malaysia, Malaysia); Shukor Abd Razak (Universiti Teknologi Malaysia, Malaysia)

Analytical and Numerical Analysis of Fringing Field at Aperture Open-Ended Waveguides
Kok Yeow You (Department of Radio Communication Engineering, Malaysia)

2.AM1.R: Day2.AM1.RoomR

E. Performance Eng'g of Computer & Comm Systems-5
Room R:Raya, Shakeel Ahmad (Gomal University, Pakistan)Irfan Awan (University of Bradford, United Kingdom)

OXADMs: The Comparison With The Existing Device
Mohammad Syuhaimi Ab-Rahman (National University of Malaysia, Malaysia); Mohd Faisal Ibrahim (Universiti Kebangsaan Malaysia, Malaysia)

Location-Based System for Mobile Devices using RFID
Seyed Hossein Siadat (University Technology Malaysia, Malaysia); Ali Selamat (University of Technology Malaysia, Malaysia)

Simulative Performance Evaluation of Information Retrieval Systems
Evangelin Geetha D (M S Ramaiah Institute of Technology, India); Krishna Naidu G (NIIT Technologies Limited, Bangalore, India); T v Suresh Kumar (M

14

S Ramaiah Institute of Technology, India); K Rajani Kanth (M S Ramaiah Institute of Technology, India)

Dealing with Data Inconsistencies in Mobile Distributed Environments
Matthias Brust (University of Luxembourg, Luxemburg)

Buffer Management Policy for Mars Intelligent Proximity Network
Mahendiran Prathaban (Institut National des Télécommunications, France)

11:10 AM - 12:30 PM

2.AM2.C: Day2.AM2.RoomC

F. Visualisation & Computer Games-2
Room C:Cempaka, Habibollah Haron (University of Technology Malaysia, Malaysia)Suiping Zhou (Nanyang Technological University, Singapore)

Estimation of Evapotranspiration with modified SEBAL model using landsat-TM and NOAA-AVHRR images in arid mountains area
Ayoub Almhab (Universiti Teknologi Malaysia, Malaysia)

The approaches for oasis desert vegetation information abstraction Based on medium -resolution Lansat TM image:
Ibrahim Busu (Universiti Teknologi Malaysia, Malaysia); Ayoub Almhab (Universiti Teknologi Malaysia, Malaysia)

Authentication using Fuzzy Vault Based on Iris Textures
Edara Reddy (Nagarjuna Univeristy, India)

A Heuristic Coordinates Filtering Scheme To Aid Online Indexing of Spatio-Temporal Trajectories
Hamimah Ujir (UNIMAS, Malaysia); Irwandi Hipni Mohamad Hipiny (UNIMAS, Malaysia)

2.AM2.M: Day2.AM2.RoomM

G-1. Hybrid Soft Computing-2
Room M:Melati, Siti Mariyam Shamsuddin (Universiti Teknologi Malaysia, Malaysia)

Data Modeling for Kuala Lumpur Composite Index with ANFIS
Zuriahati Mohd Yunos (University Teknologi Malaysia, Malaysia)

Handwritten Digits Recognition using Particle Swarm Optimization

Nasser Ba-Karait (Universiti Teknologi Malaysia (UTM), Malaysia)

A Co-evolutionary Fuzzy System for Real-Time Signal Pre-Processing
Amir Najafi-Ardebili (Ferdowsi University of Mashhad, Iran); M-Hossein Moeinzadeh (University of Tehran, Iran); Sedigheh Khajouei-nejad (Dept. of Computer,Islamic Azad University of sijan, Iran)

Augmentation of Elman Recurrent Network Learning with Particle Swarm Optimization
Mohamad Firdaus Ab Aziz (Universiti Teknologi Malaysia, Malaysia); Haza Nuzly Abdull Hamed (Universiti Teknologi Malaysia, Malaysia); Siti Mariyam Shamsuddin (Universiti Teknologi Malaysia, Malaysia)

2.AM2.R: Day2.AM2.RoomR

G. Intelligent Systems-1
Room R:Raya, Ajith Abraham (Norwegian University of Science and Technology, Norway)

Electronic Implementation of Biologically Inspired Vision Sensor
Dheerendra Gangwar (GLAITM Mathura, India); Tarun Tiwari (Tata Consultancy Services., India); Baldev Singh (GLAITM Mathura, India)

Semantic Mining for Language Text Analysis
Natalie Akam (Nottingham Trent University, United Kingdom); David Aldabass (NTU, United Kingdom)

Trajectories Planning in Presence of Obstacles for Manipulator Robots
Hentout Abdelfetah (Advanced Technologies Development Centre (CDTA), Algeria); Bouzouia Brahim (Centre de Développement des Technologies Avancées (CDTA), Algeria); Toukal Zakaria (Ecole Normale Supérieure de Kouba, Algeria)

Language Identifications of Arabic Script Web Documents Using Independent Component Analysis
Ali Selamat (Universiti Teknologi Malaysia, Malaysia)

1:30 PM - 3:10 PM

2.PM1.C: Day2.PM1.RoomC

F. Visualisation & Computer Games-3

Room C:Cempaka, Suiping Zhou (Nanyang Technological University, Singapore)Habibollah Haron (University of Technology Malaysia, Malaysia)

NLX Plus Flash Equals Quick Simulation-Driven Animations
J. Mailen Kootsey (Sumner College of Health Science, USA); Grant McAuley (Loma Linda University, USA)

Using Unscented Kalman Filter for Road Tracing From Satellite Images
Sahar Movaghati (Amirkabir University of Technology (Tehran Polytechnic), Iran); Ali Reza (University of Wisconsin-Milwaukee, USA); Ahad Tavakoli (Amirkabir University of Technology, Iran)

Soft Body Simulation with Leaking Effect
Jaruwan Mesit (University of Central Florida, USA); Ratan Guha (University of Central Florida, USA)

Towards Identifying Usability and Security Features of Graphical Password in Knowledge Based Authentication Technique
Muhammad Daniel Hafiz Abdullah (University of Technology Malaysia, Malaysia); Norafida Ithnin (University of Technology Malaysia, Malaysia); Hazinah Kutty Mammi (University of Technology Malaysia, Malaysia)

Modeling and Cost Simulation of Stand-alone Solar and Biomass Energy MOVED FROM 3.PM2.C
Nader Barsoum (Curtin University of Technology, Malaysia)

2.PM1.R: Day2.PM1.RoomR

G. Intelligent Systems-2
Room R:Raya, Ajith Abraham (Norwegian University of Science and Technology, Norway)

Misuse Intrusion Detection using a Fuzzy-Metaheuristic Approach
Hamid Mohamadi (Sharif university of technology, Iran); Jafar Habibi (Sharif university, Iran); Mohammad Saniee Abadeh (Sharif University of Technology, Iran)

Developing An Intelligent Table Tennis Umpiring System: Identifying The Ball From The Scene
Patrick Wong (Open University, United Kingdom)

A blended text mining method for authorship authentication analysis
Philip Sallis (Deputy vice chancellor, New Zealand); Subana Shanmuganathan (Auckland University of Technology, New Zealand)

Regional and Global Dynamics in East Asia: a data mining experience
Subana Shanmuganathan (Auckland University of Technology, New Zealand); Manchuna Shanmuganathan (Self Employed, Canada)

A Probabilistic Approach for Network Intrusion Detection
Kok Chin Khor (Multimedia University, Malaysia); Choo-Yee Ting (Multimedia University, Malaysia); Somnuk Phon-Amnuaisuk (Multimedia University, Malaysia)

2.PM1.M: Day2.PM1.RoomM

H. Transport-1
Room M:Melati, Yuri Merkuryev (Riga Technical University, Latvia)Evtim Peytchev (Nottingham Trent University, United Kingdom)

Simulation-Based Approaches Towards Congestion Problems
Teruaki Ito (University of Tokushima, Japan)

Multi-Agent Simulation of Circular Pedestrian Movements Using Cellular Automata
Siamak Sarmady (Universiti Sains Malaysia, Malaysia); Fazilah Haron (Universiti Sains Malaysia, Malaysia); Abdullah Zawawi Haji Talib AbdullahZawawi (USM, Morocco)

Safer Navigation of Ships by Image Processing & Neural Network
Gaurav Santhalia (JIET, India); Sanatya Singh (JUIT, India); Satish Singh (Jaypee Institute of Engineering & Technology, Guna, MP-India, India)

A Novel Approach for Intelligent Route Finding through Cumulative Proximity Evaluation
Yang Yaw Chang (Swinburne University of Technology (Sarawak Campus), Malaysia); Stephen Yung (Swinburne University of Technology (Sarawak Campus), Malaysia); Raymond Chiong (Swinburne University of Technology (Sarawak Campus), Malaysia)

Supply Chain Simulation in the ECLIPS Project
Yuri Merkuryev (Riga Technical University, Latvia); Galina Merkuryeva (Riga Technical University, Latvia)

3:40 PM - 5:00 PM

2.PM2.C: Day2.PM2.RoomC

G-1. Hybrid Soft Computing-3
Room C:Cempaka, Siti Mariyam Shamsuddin (Universiti Teknologi Malaysia, Malaysia)

> ### *HiNFRA: Hierarchical Neuro-Fuzzy Learning for Online Risk Assessment*
> Kjetil Haslum (Norwegian University of Science and Technology, Norway); Ajith Abraham (Norwegian University of Science and Technology, Norway); Svein Knapskog (Norwegian University of Science and Technology (NTNU), Norway)

> ### *Optimization of a Kraft Pulping System: Using Particle Swarm Optimization and Differential Evolution*
> Millie Pant (BITS-Pilani, Goa Center, India); Radha Thangaraj (Indian Institute Technology Roorkee, India); Ajith Abraham (Norwegian University of Science and Technology, Norway)

> ### *Intelligent Web Caching Using Neurocomputing and Particle Swarm Optimization Algorithm*
> Sarina Sulaiman (Universiti Teknologi Malaysia, Malaysia); Siti Mariyam Shamsuddin (Universiti Teknologi Malaysia, Malaysia); Fadni Forkan (UTM, Malaysia); Ajith Abraham (Norwegian University of Science and Technology, Norway)

> ### *Type-2 Fuzzy System Based Blood Pressure Parameters Estimation*
> Moahmed Al-Jaafreh (University of Technology Sydney, Australia); Adel Al-Jumaily (University of Technology Sydney, Australia)

2.PM2.R: Day2.PM2.RoomR

G. Intelligent Systems-3
Room R:Raya, David Al-Dabass (Nottingham Trent University, United Kingdom)

> ### *Vibration Suppression Techniques in Feedback Control of a Very Flexible Robot Manipulator*
> Mohd Ashraf Ahmad (Universiti Malaysia Pahang, Malaysia); Zaharuddin Mohammed (Universiti Teknologi Malaysia, Malaysia); Haszuraidah Ishak (Universiti Malaysia Pahang, Malaysia); Ahmad Kasruddin (Universiti Malaysia Pahang, Malaysia)

> ### *A Mathematical Model of Consciousness*

Yinsheng Zhang (Institute of Scientific & Technical Information of China, P.R. China)

> ### *Coexistence of Wireless Sensor Networks (WSN) and Wireless Local Area Networks (WLAN) using Cognitive Radio*
> Muhammad Adib (Universiti Teknologi Malaysia (UTM), Malaysia)

> ### *Computational intelligence and geo-informatics in viticulture*
> Subana Shanmuganathan (Auckland University of Technology, New Zealand); Philip Sallis (Deputy vice chancellor, New Zealand); Leopoldo Pavesi (Universidad Catolica del Maule, Chile); Mary Carmen Jarur Muñoz (Universidad Catolica del Maule, Chile)

2.PM2.M: Day2.PM2.RoomM

H. Transport-2
Room M:Melati, Teruaki Ito (University of Tokushima, Japan)Evtim Peytchev (Nottingham Trent University, United Kingdom)

> ### *Net-Centric Supply Chain Management Based*
> Agostino Bruzzone (University of Genoa, Italy)

> ### *Advanced Supply chain Protection & Integrated Decision support System*
> Marina Massei (MAST SRL, Italy)

> ### *Modelling of a Wave-based Bilateral Teleoperation System: a New Approach to Control a Two Degree of freedom Robot Model*
> Seyed Reza Seyed Tabib (Iran University of Science and Technology, Iran); Ali Akbar Jalali (Iran University of Science and Technology, Iran)

> ### *Crisis Management Simulation: Traffic Evacuation Study*
> Gary Tan (National University of Singapore, Singapore); Yong-Meng Teo (National University of Singapore, Singapore)

> ### *Performance study of wireless body area network in medical environment.*
> Sharifah Syed Ariffin; Sharifah Syed-Yusof); Norsheila Fisal; Adel. Ali (University Technology Malaysia, Malaysia)

Thursday, May 15

9:00 AM - 10:40 AM

3.AM1.B: Day3.AM1.RoomB

G. Intelligent Systems-4
Room B:Ballroom, Patrick Wong (Open University, United Kingdom)

> ### Higher Dimensional Cost Function for Synthesis of Evolutionary Algorithms by means of Symbolic Regression
> Zuzana Oplatková (Tomas Bata University in Zlín, Czech Republic); Ivan Zelinka (Tomas Bata University in Zlín, Czech Republic)

> ### An Accomplished Simulator for Discrete Event Systems
> Jih-Fu Tu (St. John's University, Taiwan); Jih-Fu Tu (St. John's University, Taiwan)

> ### Image Quality Assessments and Restoration for Face Detection and Recognition System Images Replaces G16
> Nazaruddin Omar (Telekom Research & Development Sdn Bhd, Malaysia)

> ### Intelligent Method for Designing Exact Orthogonal Blocking Matrix into Robust Wideband Beamformers Using Auxiliary Sensors
> Jafar Mohammed (Punjab Engineering College, India)

> ### Learning to Classify Threaten E-mail
> Subramanian Appavu alias Balamurugan (Dept of IT,Thiagarajar College of Engg,Madurai,India, India); Ramasamy Rajaram (Thiagarajar College of Engg, India)

3.AM1.C: Day3.AM1.RoomC

I. Industry, Business and Management-1
Room C:Cempaka, Alessandra Orsoni (Kingston University, United Kingdom)

> ### Material Flow Planning in Multimodal Manufacturing Systems by Computer Simulation
> Mohsen Fattahi Ardakani (Islamic Azad University - Aradakan Branch, Iran); Fatemeh Ranaiefar (Tarbiat Modares University, Iran); Ruzbeh Mohagheghzadeh (TNA Consulting Co., Iran)

> ### Implementing ITIL-based CMDB in the Organizations to Minimize or Remove Service Quality Gaps
> Mohammad Sharifi (University Technology Malaysia student, Iran); Shamsul Sahibodin (Outhor, Malaysia); Masarat Ayat (Co-author, Malaysia)

> ### Modeling Group Decision-Making for Collaborative Teams in Enterprises
> Alessandra Orsoni (Kingston University, United Kingdom); Nikolaos Karadimas (National Technical University of Athens, Greece); George Rigopoulos (National Technical University of Athens, Greece)

> ### Combining ITIL, COBIT and ISO/IEC 27002 in Order to Design a Comprehensive IT Framework in Organizations
> Mohammad Sharifi (University Technology Malaysia student, Iran); Shamsul Sahibodin (Outhor, Malaysia); Masarat Ayat (Co-author, Malaysia)

> ### Modeling Spirituality, Wellness and Quality of Life: A Study in Redang and Perhentian Island
> Mahadzirah Mohamad (Universiti Malaysia Terengganu, Malaysia); Borhanudin Mohd Yusof @ Mohamed (Universiti Malaysia Terengganu, Malaysia); Abdul Ali (Universiti Malaysia Terengganu, Malaysia); Morliyati Mohammed (Universiti Malaysia Terengganu, Malaysia)

3.AM1.M: Day3.AM1.RoomM

K. Bioinformatics and Biomedical Simulation-1
Room M:Melati, Jasmy Yunus (University of Technology Malaysia, Malaysia)Norlaili Safri (Universiti Teknologi Malaysia, Malaysia)

> ### Quantum Genetic Algorithm for Multiple RNA Structural Alignment
> Layeb Abdesslem (university of costantine, Algeria); Batouche Mohamed (King Saud University, Saudi Arabia)

> ### Modelling of Muscle Extension and Flexion for FES-assisted Indoor Rowing Exercise
> Zakaria Hussain (University of Sheffield, United Kingdom); M. Tokhi (University of Sheffield, United Kingdom); Salmiah Ahmad (University of Sheffield, United Kingdom)

> ### An Improved In Silico Algorithm for Output Visualization of DNA Computing based on Real-Time PCR
> Muhammad Faiz Mohamed Saaid (University Technology of Malaysia, Malaysia); Zuwairie Ibrahim (University of Technology Malaysia, Malaysia); Nor Haniza Sarmin (Universiti Teknologi Malaysia, Malaysia)

AI-Cognitive Description in Visual Medical Pattern Mining and Retrieval
Lidia Ogiela (AGH University of Science and Technology, Poland); Ryszard Tadeusiewicz (AGH University of Science and Technology, Poland); Marek Ogiela (AGH University of Science and Technology, Poland)

Unravelling Prion Diseases using Molecular Dynamics Simulations
Mohd Shamsir (Universiti Teknologi Malaysia, Malaysia); Zeti Hussein (Universiti Kebangsaan Malaysia, Malaysia); Johan Sharif (Universiti Teknologi Malaysia, Malaysia)

3.AM1.R: Day3.AM1.RoomR

L. Circuits, Sensors and Devices-1
Room R:Raya, Manaf Hashim (University of Technology Malaysia, Malaysia)

The Application of X-ray Detection System
Peng Wan (Zhejiang University, P.R. China)

Modeling and Simulation of Paralleled Series-Loaded-Resonant Converter
Alejandro Polleri (Cal Poly State University, USA); Taufik Taufik (California Polytechnic State University, San Luis Obispo, USA); Makbul Anwari (Universiti Teknologi Malaysia, Malaysia)

The Ultimate Drift Velocity in Two Dimensional Quantum Limit
Mohammad Taghi Ahmadi (University Technology Malaysia (UTM), Malaysia)

The Sensing Performance of Undoped-AlGaN/GaN/Sapphire HEMT Hydrogen Gas Sensor.
Mazuina Mohamad (Universiti Teknologi Malaysia, Malaysia)

Modeling and Characterization of Schottky Diode on AlGaAs/GaAs HEMT Structure for Rentenna Device
Norfarariyanti Parimon (Universiti Teknologi Malaysia, Malaysia)

11:10 AM - 12:30 PM

3.AM2.B: Day3.AM2.RoomB

G. Intelligent Systems-5
Room B:Ballroom, Patrick Wong (Open University, United Kingdom)

A Model to Optimize DNA Sequences Based On Particle Swarm Optimization
Noor Khafifah Khalid (Universiti Teknologi Malaysia, Malaysia); Tri Basuki Kurniawan (Universiti Teknologi Malaysia (UTM), Malaysia); Zuwairie Ibrahim (University of Technology Malaysia, Malaysia); Khalid Marzuki (Universiti Teknologi Malaysia, Malaysia); Andries Engelbrecht (Pretoria University, South Africa)

Modelling of Wheelchair on Two Wheels and Control
Salmiah Ahmad (University of Sheffield, United Kingdom); M. Tokhi (University of Sheffield, United Kingdom)

A new method to improve the gradient based search direction to enhance the computational efficiency of back propagation based Neural Network algorithms
Nazri Mohd Nawi (University Tun Hussein Onn Malaysia, Malaysia)

Spectral Angle Based Kernels for the Classification of Hyperspectral Images Using Support Vector Machines
Mojtaba Kohram (University Technology Malaysia, Malaysia)

3.AM2.C: Day3.AM2.RoomC

I. Industry, Business and Management-2
Room C:Cempaka, Alessandra Orsoni (Kingston University, United Kingdom)

Design and Implementation of Visual Inspection System in Automatic Bottling System based on PLC
Ir. Riza Sulaiman (UKM, Malaysia); Denni Kurniawan (Research Assistant, Malaysia)

Managing the Learning Dynamics within the Projects Based Organization– A Novel Approach through Modelling and Simulation
Lewlyn Rodrigues (Manipal University, India); Dharmaraj N (PhD Scholar, Italy); Gopalkrishna Barkur (Manipal Institute of Technology, India); Shrinivasa Rao (Professor, India)

Design and Simulation of a Numerical Controlled Throwing Device
Heinz Frank (Reinhold-Wuerth-University, Germany)

Simulation and Re-engineering of Truck Assembly Line
Muhammad Imtihan (UTM, Malaysia); Habibollah Haron (University of Technology Malaysia, Malaysia)

3.AM2.R: Day3.AM2.RoomR

J. Methodologies, Tools & OR-1
Room R:Raya, Stephen Turner (Nanyang Technological University, Singapore)

A Proposal for Modeling the Piloting System
Sarim Al-Zubaidy (Heriot-Watt University, Dubai campus, UAE) **CANNOT COME**

Simulation Study on Lens Manufacturing process Flow
Ezutah Olugu (Universiti Teknologi Malaysia, Malaysia)

Low Bandwidth Self-Healing Key Distribution for Broadcast Encryption
Ratna Dutta (Post-Doctoral Research Fellow, Claude Shannon Institute, NUIM, Ireland); Sourav Mukhopadhyay (Nanyang Technological University, Nanyang Avenue, Singapore - 639798, Singapore); Sabu Emmanuel (Nanyang Technological University, Singapore)

Continuous Time State Space Model Identification Using Closed-Loop Data
Rosmiwati Mohd-Mokhtar (RMIT University, Australia); Liuping Wang (RMIT University, Australia)

3.AM2.M: Day3.AM2.RoomM

K. Bioinformatics and Biomedical Simulation-2
Room M:Melati, Jasmy Yunus (University of Technology Malaysia, Malaysia)

Dynamic Simulation of Indoor Rowing Exercise for Paraplegics
Zakaria Hussain (University of Sheffield, United Kingdom); M. Tokhi (University of Sheffield, United Kingdom); Salmiah Ahmad (University of Sheffield, United Kingdom)

Evaluation of Ordering Methods for DNA Sequence Design based on Ant Colony System
Tri Basuki Kurniawan (Universiti Teknologi Malaysia (UTM), Malaysia); Noor Khafifah Khalid (Universiti Teknologi Malaysia, Malaysia); Zuwairie Ibrahim (University of Technology Malaysia, Malaysia); Khalid Marzuki (Universiti Teknologi Malaysia, Malaysia); Martin Middendorf (University of Leipzig, Germany)

Protein Conformational Search Using Bees Algorithm

Hesham Bahamish (Universiti Sains Malaysia, Malaysia); Rosni Abdulla (Universiti Sains Malaysia, Malaysia); Rosalina Abd. Salam (Universiti Sains Malaysia, Malaysia)

Specific Absorption rate (SAR) on the Human Head as Function of Orientation of Plane Wave Radiation: FDTD-based Analysis
Gasmelseed Akram (Universiti Teknologi Malaysia, Malaysia); Jasmy Yunus (University of Technology Malaysia, Malaysia)

1:30 PM - 3:10 PM

3.PM1.R: Day3.PM1.RoomR

J. Methodologies, Tools & OR-2
Room R:Raya, Sarim Al-Zubaidy (Heriot-Watt University, Dubai campus, UAE)

A Bee Colony Optimization Algorithm for Traveling Salesman Problem
Li-Pei Wong (Nanyang Technological University, Singapore); Malcolm Yoke Hean Low (Nanyang Technological University, Singapore); Chin Soon Chong (Singapore Institute of Manufacturing Technology, Singapore)

An Efficient Algorithm for Isomorphic Problem on Generic Simple Graphs
Bao Tran (HCMC University of Pedagogy, Vietnam, Vietnam)

DARA: Data Summarisation with Feature Construction
Rayner Alfred (York University, United Kingdom) **CANNOT COME**

Data Pre-Processing Methodology for Computational Experiment in Analyzing Protein Interaction Networks
Jamaludin Sallim (Universiti Sains Malaysia, Malaysia)

Verification Framework for Detecting Safety Violations in UML Statechart Models of Reactive Systems
Chikmagalur Prashanth (National Institute of Technology Karnataka Surathkal, India); K. Chandrashekhar Shet (National Institute of Technology Karnataka, Surathkal, India); Janees Elamkulam (IBM India Ltd, India)

3.PM1.M: Day3.PM1.RoomM

K. Bioinformatics and Biomedical Simulation-3
Room M:Melati, Jasmy Yunus (University of Technology Malaysia, Malaysia)Norlaili Safri (Universiti Teknologi Malaysia, Malaysia)

Modeling Information Pathway of Motor Control Using Coherence Analysis

Norlaili Safri (Universiti Teknologi Malaysia, Malaysia); Siti Hajar Aminah Ali (University of Technology Malaysia, Malaysia); Siti Zuraimi Salleh (University of Technology Malaysia, Malaysia); Nobuki Murayama (Kumamoto University, Japan)

Bipartite Graph for Protein Structure Matching

Fazilah Othman (Universiti Sains Malaysia, Malaysia); Rosni Abdulla (Universiti Sains Malaysia, Malaysia); Rosalina Abd. Salam (Universiti Sains Malaysia, Malaysia)

A Neural Network Based Approaches, Solving Haplotype Reconstruction in MEC and MEC/GI Models

Ehsan Asgarian (Sharif University of Technology, Iran); M-Hossein Moeinzadeh (University of Tehran, Iran); Sarah Sharifian (ferdowsi University of mashad, Iran); Javad Mohammadzadeh (University of Tehran, Iran); Jafar Habibi (Sharif university, Iran)

Analyzing Time Course Gene Expression Data with Biological and Technical Replicates to Estimate Gene Networks by State Space Models

Osamu Hirose (University of Tokyo, Japan); Seiya Imoto (University of Tokyo, Japan)

A Simple Deterministic Model for the Spread of Hand, Foot and Mouth Disease (HFMD) in Sarawak

Felix Chuo (Univeristy Malaysia Sarawak, Malaysia); Jane Labadin (Universiti Malaysia Sarawak, Malaysia)

3.PM1.B: Day3.PM1.RoomB

L. Circuits, Sensors and Devices-2
Room B:Ballroom, Ooi Chia Yee (Universityof Technology Malaysia, Malaysia)

Modeling and Characterization of Capacitively Coupled Interdigital-Gated HEMT Plasma Device for Terahertz Wave Amplification

Zon Fazlila Mohd Ahir (University Technology of Malaysia, Malaysia)

Design and Characterization of Planar Antennas on the Semi-Insulated GaAs for Rectenna Devices

Farahiyah Mustafa (Universiti Teknologi Malaysia, Malaysia)

High-speed and power efficient lifting-based VLSI architecture for two-dimensional discrete wavelet transform

Ibrahim Koko (Universiti teknologi PETRONAS, Malaysia); Herman Agustiawan (Universiti Teknologi Petronas, Malaysia)

A New Method for Active Noise Cancellation in the Presence of Three Unknown Moving Sources

Mohammad Abdollahpouri (K. N. Toosi University of Technology, Iran); A. Khaki Sedigh (Iran University of Science and Technology, Iran); Hamid Khaloozadeh (K.N.Toosi University of Technology, Iran)

Methodology for NOR-NOR Programmable Logic Array

Venkata Rajesh Mekala (TAMU-College Station, USA); Venkata Rakesh Mekala (V.N.R.Vignana Jyothi Institute of Engg. & Tecn, India)

3.PM1.C: Day3.PM1.RoomC

L. Circuits, Sensors and Devices-3
Room C:Cempaka, Manaf Hashim (University of Technology Malaysia, Malaysia)

Modeling and Simulation of Current Ripple in DC Link Connecting two PWM Inverters Using Matlab/Simulink

Taufik Taufik (California Polytechnic State University, San Luis Obispo, USA); Makbul Anwari (Universiti Teknologi Malaysia, Malaysia)

Modeling and Simulation of 6-Pulse and 12-Pulse Rectifiers under Balanced and Unbalanced Conditions with Impacts to Input Current Harmonics

Arief Hernadi (Cal Poly State University, USA); Taufik Taufik (California Polytechnic State University, San Luis Obispo, USA); Makbul Anwari (Universiti Teknologi Malaysia, Malaysia)

Using Fuzzy Cognitive Maps to Reduce False Alerts in SOM-based Intrusion Detection Sensors

Mahmoud Jazzar (Universiti Sains Malaysia, Malaysia); Aman Jantan (University, Malaysia)

Comparison between Experiment and Process Simulation Results for Converting Enhancement to Depletion Mode NMOS Transistor

Ahmad Zoolfakar (University Technology Mara, Malaysia); Hashimah Hashim (University Technology MARA, Malaysia)

3:40 PM - 5:00 PM

3.PM2.M: Day3.PM2.RoomM

Room M:Melati

3.PM2.R: Day3.PM2.RoomR

Room R:Raya

3.PM2.B: Day3.PM2.RoomB

G & J. Intelligent Systems and Methodologies, combined
Room B:Ballroom, Stephen Turner (Nanyang Technological University, Singapore),
Reggie Davidrajuh (University of Stavanger, Norway)

> ***Analysis of Human-Inspired Biped Walk Characteristics in a Prototype Humanoid Robot for Improvement of Walking Speed***
> Hanafiah Yussof (Nagoya University, Japan)

> ***Video Wireless Sensor Network: Co-operative Vision Based Localization Method***
> Sharif Amar (Universiti Teknologi Petronas, Malaysia); Varun Jeoti (University Teknologi PETRONAS, Malaysia)

> ***Improving Fault Tolerance by Virtualization and Software Rejuvenation***
> Thandar Thein (Korea Aerospace University, Seoul, Korea, Korea); Jong-Sou Park (Korea Aerospace University, Korea); Sung Do Chi (Korea Aerospace University, Korea)

> ***Developing a New Petri net Tool for Simulation of Discrete Event Systems***
> Reggie Davidrajuh (University of Stavanger, Norway)

3.PM2.C: Day3.PM2.RoomC

I. Industry, Business and Management-3
Room C:Cempaka, Alessandra Orsoni (Kingston University, United Kingdom)

> ***Designing and Simulating Chopping Process using Workspace5***

Zuraini Sukimin (University Teknologi Malaysia, Malaysia); Habibollah Haron (University of Technology Malaysia, Malaysia)

> ***Simulation for drying ceramic shell build up process***
> Zawati Harun (University Tun Hussein Onn Malaysia, Malaysia)

> ***Visualizing the Yield Pattern Outcome for Automatic Data Exploration***
> Norulazmi Megat (University Utara Malaysia, Malaysia); Shaidah Jusoh (Universiti Utara Malaysia, Malaysia) **MOVED FROM 2.PM1.C**

> ***A Laser Show Device Works in An Open Space for Hearing-Impaired Students***
> Toru Takahashi (Tokyo Institute of Technology, Japan); Miki Namatame (Tsukuba University of Technology, Japan); Fusako Kusunoki (Tama Art University, Japan); Isao Ono (Tokyo Institute of Technology, Japan); Takao Terano (Tokyo Institute of Technology, Japan)