

TECHNICAL PROGRAM OVERVIEW

VENUE		BUNGA MELOR	BUNGA RAYA	BUNGA KENANGA		
Sun Oct 4	02:30 PM-04:30 PM	MT2 Tutorial 2 - Mechatronics	RT3 Tutorial 3 - Life Science Applications	KT1 Tutorial 1 - Instrumentation		
	05:00 PM-07:00 PM	ISIEA09 WELCOMING COCKTAIL (VENUE: BALL ROOM)				
VENUE		BUNGA ANGGERIK	BUNGA MELOR	BUNGA TERATAI	BUNGA TANJUNG	BUNGA KENANGA
Mon Oct 5	08:40 AM-10:20 AM	A1 Electronic Design I	M1 Power Electronics I	R1 Computer Applications I	T1 Instrumentation & Measurement I	K1 Biomedical & Computational Biology I
	10:20 AM-10:40 AM	TEA BREAK & NETWORKING (VENUE: FOYER)				
	10:40 AM-12:40 PM	A2 Mechatronics I	M2 Computer Applications II	R2 Communications & Network I	T2 Instrumentation & Measurement II	K2 Biomedical & Computational Biology II
	12:40 PM-02:00 PM	LUNCH BREAK (VENUE: FOYER)				
	02:00 PM-03:40 PM	A3 Electronic Design II	M3 Power Electronics II	R3 Communications & Network II	T3 Instrumentation & Measurement III	K3 Electrical Machines & Drives I
	03:40 PM-04:00 PM	TEA BREAK & NETWORKING (VENUE: FOYER)				
	04:00 PM-05:40 PM	A4 Electronic Design III	M4 Power Electronics III	R4 Communications & Network III	T4 Instrumentation & Measurement IV	K4 Biomedical & Computational Biology III
	08:00 PM-11:00 PM	ISIEA09 GALA DINNER (VENUE: BALL ROOM)				
Tue Oct 6	08:40 AM-10:20 AM	A5 Mechatronics II	M5 Power Electronics IV	R5 Communications & Network IV	T5 Instrumentation & Measurement V	K5 Electrical Machines & Drives II
	10:20 AM-10:40 AM	TEA BREAK (VENUE: FOYER)				
	10:40 AM-12:40 PM	A6 Mechatronics III	M6 Power Electronics V	R6 Communications & Network V	T6 Instrumentation & Measurement VI	K6 Biomedical & Computational Biology IV
	12:40 PM-02:00 PM	LUNCH-BREAK (VENUE: FOYER)				
	02:00 PM-03:40 PM	A7 Electronic Design IV	M7 Power Electronics VI	R7 Electrical Machines & Drives III	T7 Mechatronics IV	K7 Biomedical & Computational Biology V
	03:40 PM-04:00 PM	TEA BREAK (VENUE: FOYER)				
	04:00 PM-05:40 PM	A8 Other Network Applications	M8 Power Electronics VII	R8 Other Computer Applications	T8 Instrumentation & Measurement VII	K8 Biomedical & Computational Biology VI

TECHNICAL PROGRAM

Sunday, Oct 4

SESSION	: KT1 - Tutorial 1: Instrumentation
PRESENTER	: Serge Demidenko (Monash University, Malaysia)
CHAIR	: Rini Akmeliawati (International Islamic University, Malaysia)
DATE	: 4 October 2009
TIME	: 2:30 pm - 4:30 pm
VENUE	: Bunga Kenanga

SESSION	: MT2 - Tutorial 2: Mechatronics
PRESENTER	: O. Kaynak (Bogazici University, Turkey)
CHAIR	: Mohd Nasir Taib (Universiti Teknologi MARA, Malaysia)
DATE	: 4 October 2009
TIME	: 2:30 pm - 4:30 pm
VENUE	: Bunga Melor

SESSION	: RT3 - Tutorial 3: Life Science Applications
PRESENTER	: A.B. Majeed (Universiti Teknologi MARA, Malaysia)
CHAIR	: Fatimah Ibrahim (University of Malaya, Malaysia)
DATE	: 4 October 2009
TIME	: 2:30 pm - 4:30 pm
VENUE	: Bunga Raya

Monday, Oct 5

SESSION	: K1 - Biomedical & Computational Biology I
DATE	: 5 October 2009
TIME	: 8:40 am - 10:20 am
VENUE	: Bunga Kenanga

8:40 Heartbeat Monitoring Alert via SMS

Warsuzarina Mat Jubadi (Universiti Tun Hussein Onn Malaysia, Malaysia)

9:00 Image Decomposition Based Ultrasound Image Segmentation by Using Fuzzy Clustering

Yan Xu (Sichuan University, P.R. China)

9:20 An Efficient Medical Image Fusion Method Using Contourlet Transform Based on PCM

Nemir Ahmed Al-Azzawi (Universiti Sains Malaysia (USM), Malaysia, Malaysia); Harsa Amylia Mat Sakim (Universiti Sains Malaysia, Malaysia); Ahmed K. Wan Abdullah (Universiti Sains Malaysia, Malaysia)

9:40 3D-based Skin Roughness Measurement for Lesion Classification

Ahmad Fadzil (Universiti Teknologi Petronas, Malaysia); Hermawan Nugroho (Universiti Teknologi PETRONAS, Malaysia); Esa Prakasa (Universiti Teknologi PETRONAS, Malaysia); Hurriyatul Fitriyah (Universiti Teknologi PETRONAS (UTP), Malaysia); Hanung Adi Nugroho (Universiti Teknologi PETRONAS, Malaysia)

10:00 Needle Insertion Forces For Haptic Feedback Device

Imran Fazal (Universiti Teknologi Petronas, Malaysia); Mohd Noh Karsiti (Universiti Teknologi Petronas, Malaysia)

SESSION	: R1 - Computer Applications I
DATE	: 5 October 2009
TIME	: 8:40 am - 10:20 am
VENUE	: Bunga Teratai

8:40 Conventional ARX and Artificial Neural Networks ARX Model for Prediction of Oil Consumption in Malaysia

Iwan Awaludin (Universiti Teknologi PETRONAS, Malaysia); Ibrahim (Universiti Teknologi PETRONAS, Malaysia); K S Rama Rao (Universiti Teknologi Petronas, Malaysia)

9:00 Metrics for Strategy Implementation: Measuring and Monitoring the Performance

Okfalisa Saktioto (University Islamic Suska Riau, Indonesia); Rose Alinda Alias (Universiti Teknologi Malaysia, Malaysia); Kuan Yew Wong (Universiti Teknologi Malaysia, Malaysia); Naomie Salim (Universiti Teknologi Malaysia, Malaysia)

9:20 Modelling of Various Meteorological Effects on Leakage Current Level for Suspension Type of High Voltage Insulators Using HMLP Neural Network

Nofri Yenita Dahlan (Universiti Teknologi Mara/University of Manchester, United Kingdom); Ahmad S. Salman (Universiti Tenaga Nasional, Malaysia); Nurhani Kasuan (Universiti Teknologi Mara, Malaysia)

9:40 A Neural Network Based Method for the Diagnosis of Ageing Insulators

Nouruddeen Bashir (Universiti Teknologi Malaysia, Malaysia); Hussein Ahmad (Universiti Teknologi Malaysia, Malaysia)

10:00 Automated Marking System for Short Answer Examination (AMS-SAE)

Mohd Juzaidin Ab Aziz (Universiti Kebangsaan Malaysia, Malaysia)

SESSION	: A1 - Electronic Design I
DATE	: 5 October 2009
TIME	: 8:40 am - 10:20 am
VENUE	: Bunga Anggerik

8:40 Using ant colony optimization for test vector reordering

Jianhua Wang (Harbin Normal University, P.R. China); Jingbo Shao (Harbin Normal University, P.R. China)

9:00 Architecture of an Embedded Localization Processor for Underwater Vehicle Using FPGA

Muataz Hameed Salih (USM, Malaysia); Mohd. Arshad (USM, Malaysia)

9:20 A Novel Dual Processing Architecture for Implementation of Motion Estimation Unit of H.264 AVC on FPGA

Vikram Arkalgud Chandrasetty (University of South Australia, Australia); Shridhar R Laddha (SoftJin Technologies Pvt. Ltd, India)

9:40 9T Balanced SRAM Cell for Low Power Operation

Ting Hou (MMU, Malaysia); CMR Prabhu (Multimedia University, Malaysia); Soo Pin (Multimedia University, Malaysia)

10:00 A Design of Embedded DMX512 Controller using FPGA and XILkernel

Sarat Yoowattana (King Mongkut's Institute of Technology Ladkrabang, Thailand); Chinnapat Nantajiwakornchai (King Mongkut's Institute of Technology Ladkrabang, Thailand); Manas Sangworasil (King Mongkuts Institute of Technology Ladkrabang(KMITL), Thailand)

SESSION	: T1 - Instrumentation & Measurement I
DATE	: 5 October 2009
TIME	: 8:40 am - 10:20 am
VENUE	: Bunga Tanjung

8:40 Statistical Analysis of Vibration Signals for Cavitation Detection

Salem Ali Alhashmi (Sebha University Libya, Libya)

9:00 Subspace-Based Signature Verification Technique using Reduced-Sensors Data Glove

Roushanak Rahmat (Universiti Teknologi Petronas, Malaysia); Nidal Kamel (Technical University of Petronas, Malaysia); Norashikin Yahya (Universiti Teknologi Petronas, Malaysia)

9:20 Design and Implementation of an Ultra-high Speed Data Acquisition System for HRRATI

Bi Xin (Shenyang Institute of Automation, Chinese Academy of Sciences, P.R. China)

9:40 A Re-quantization Noise Reduction Method in MPEG-2 to H.264 Intra Transcoding

Takeshi Yoshitome (NTT Cyber Space Laboratories, NTT, Japan)

10:00 Adaptive PMD Compensation Based on DSP in Optical Transmission Systems
Jinnan Zhang (Beijing University of Posts and Telecommunications, P.R. China)

SESSION	: M1 - Power Electronics I
DATE	: 5 October 2009
TIME	: 8:40 am - 10:20 am
VENUE	: Bunga Melor

8:40 Rapid Prototyping Tool for Electrical Load Emulation using Power Electronic Converters
Yerram Reddy Srinivasa Rao (Indian Institute of Technology, India); Mukul Chandorkar (Indian Institute of Technology-Bombay, India)

9:00 An analytical discrete model for evaluation the chaotic behavior of Buck converter under current control mode
Ataollah Abbasi (University of shahed, Iran); Mehرداد Rostami (Shahed University, Iran); Jafar Abdollahi (University of shahed, Iran); Hamid Abbasi (University of tehran, Iran)

9:20 A Faster Maximum Power Point Tracker using Peak Current Control
Arash Kalantari (Iran University of Science and Technology, Iran)

9:40 Modeling and Simulation of Contactless Power Transmission System by Inductance Coupling
Du Guiping (Guangzhou Electric Apparatus Research Institute, P.R. China); Li Xiongtao (South China University of Technology, P.R. China); Sheng Songtao (South China University of Technology, P.R. China)

10:00 Studies on Safe-Commutation Sequence for Controlled Rectifier Operation of Single-Phase Matrix Converter
Rahimi Baharom (Universiti Teknologi MARA, Malaysia, Malaysia); Mustafar Kamal Hamzah (Universiti Teknologi Mara, Malaysia)

SESSION	: K2 - Biomedical & Computational Biology II
DATE	: 5 October 2009
TIME	: 10:40 am - 12:40 pm
VENUE	: Bunga Kenanga

10:40 Quantitative Assessment of Ulcers Volume Using 3D Surface Imaging
Ahmad Fadzil (Universiti Teknologi Petronas, Malaysia); Nejoood Elteгани (University Technology Petronas, Malaysia)

11:00 Deployment of Malaysian Alzheimer Patients' Web Database on MYREN
Husna Abidin (Universiti Teknologi MARA, Malaysia)

11:20 Hand Shape and Hand Gesture Recognition
Ryszard S. Choras (University of Technology and Life Sciences, Poland)

11:40 Energy Efficient Face Recognition Using Row, Column Feature Vectors of Slant Transform and A Performance Comparison with PCA
Kamal Shah (University o Mumbai, India); Hemant Kekre (Sr.Proffesor,NMIMS University, India)

12:00 Microvolt T-wave Alternans Analysis using Lyapunov Exponents
Roozbeh Rajabi (Tarbiat Modares University, Iran); Hassan Ghassemian (Tarbiat Modares University, Iran)

12:20 Model-Based Retinal Vasculature Enhancement In Digital Fundus Image Using Independent Component Analysis
Ahmad Fadzil (Universiti Teknologi Petronas, Malaysia); Hanung Adi Nugroho (Universiti Teknologi PETRONAS, Malaysia); Hermawan Nugroho (Universiti Teknologi PETRONAS, Malaysia)

SESSION	: M2 - Computer Applications II
DATE	: 5 October 2009
TIME	: 10:40 am - 12:40 pm
VENUE	: Bunga Melor

10:40 *The Research into an Improved Algorithm of Telecommunication Inter-transactional Association Rules Based on Time Series of All Confidence*

Wenchuan Yang (Professor, P.R. China); Chao Dong (Beijing University of Post and Telecom, P.R. China); Jie Cheng (Beijing University of Posts and Telecommunications, P.R. China); Fang Fang (Beijing University of Posts and Telecommunication, P.R. China)

11:00 *Storing DTD-Independent XML Data in Relational Database*

Zin Mar Kyu (UCSY, Myanmar)

11:20 *An Improved Event Selection Technique in a Modified PSO Algorithm to Solve Class Scheduling Problems*

Mohd Azri Abdul Aziz (Universiti Teknologi Mara, Malaysia); Mohd Nasir Taib (Universiti Teknologi MARA, Malaysia); Naimah Mohd Hussin (Universiti Teknologi Mara, Malaysia)

11:40 *Study of Economic, Environmental and Social Factors in Sustainability Reports using Text Mining and Bayesian Analysis*

Jashua Modapothala (Swinburne University of Technology (Sarawak Campus), Malaysia); Biju Issac (Swinburne University of Technology (Sarawak Campus), Malaysia)

12:00 *An Improved Rank-based Genetic Algorithm with Limited Iterations for Grid Scheduling*

Wael Ahmed Abdulal (Osmania University, India); Ahmad Jabas (Osmania University, India); Omar Al Jadaan (Ph.D., India); Sirandas Ramachandram (Osmania university, India)

12:20 *ITW: T-Way Minimization Strategy Based on Intersection of Tuples*

Mohammed I. Younis (USM University, Malaysia); Kamal Zuhairi Zamli (Universiti Sains Malaysia, Malaysia)

SESSION	: R2 - Communications & Network I
DATE	: 5 October 2009
TIME	: 10:40 am - 12:40 pm
VENUE	: Bunga Teratai

10:40 *Cross-Layer Optimisation for Multi-Class VSG CDMA in Rayleigh Fading*

Pongsatorn Sedtheetorn (Mahidol University, Thailand)

11:00 *Study of the Efficiency Optimization of Application Layer Multicast*

Xiang Rao (Nanjing University of Posts and Telecommunications, P.R. China); Jian-zhen Xu (Nanjing University of Posts and Telecommunications, P.R. China); Qiang Xu (Nanjing University of Posts and Telecommunications, P.R. China); Yun Zhou (Nanjing University of Posts&Telecommunications, P.R. China)

11:20 *Reliability of Recursive Concentrator Structure*

Sa'ed Abed (The Hashemite University, Jordan); Sahel Alouneh (German-Jordanian University, Jordan); Otmane Ait Mohamed (Concordia University, Canada)

11:40 *An Improved ZF-ML Decoder for Space-Time Block Codes over Time Selective Channels*

Safwat Irteza Butt (Royal Institute of Technology (KTH), Sweden); Kashif Riaz (National University of Sciences and Technnology, Pakistan); Adnan Ahmed Khan (National University of Science and Technology, Pakistan)

12:00 *Improving the Performance of IPv6 Packet Transmission over LAN*

Raja Kumar Murugesan (Universiti Sains Malaysia, Malaysia); Sureswaran Ramadass (Associate Professor, Malaysia); Rahmat Budiarto (National Advanced IPv6 Centre, Malaysia)

12:20 *Combined Switched Beamforming and Cell-Site Diversity for Rain Fading Mitigation in LMDS Networks*

Thennarasan Sabapathy (Multimedia University, Malaysia); Su Wei Tan (Multimedia University, Malaysia); Teong Chee Chuah (Multimedia University, Malaysia)

SESSION	: T2 - Instrumentation & Measurement II
DATE	: 5 October 2009
TIME	: 10:40 am - 12:40 pm
VENUE	: Bunga Tanjung

10:40 *Optimal Training Sequences in MIMO Channel Estimation with Spatially Correlated Rician Flat Fading*

Hamid Nooralizadeh (Islamic Azad University, Tehran Science and Research Branch, Iran)

11:00 *Speeding Up Motion Estimation in Modern Video Encoders Using Approximate Metrics and SIMD Processors*

Steven Pigeon (Ecole de technologie supérieure, Canada); Stephane Coulombe (Ecole de technologie supérieure, Canada)

11:20 *A New Quasi-Cyclic Low Density Parity Check Codes*

Abid Yahya (Universiti Sains Malaysia, Malaysia)

11:40 *A New Shifted Scaled LS Channel Estimator for Rician Flat Fading MIMO Channel*

Hamid Nooralizadeh (Islamic Azad University, Tehran Science and Research Branch, Iran)

12:00 *Selective Tap Training of FIR filters for Blind Source Separation of Convolutional Speech Mixtures*

Ali Khanagha (Research institute of Petroleum industry, Iran); Vahid Khanagha (Iran University of Science and Technology, Iran)

12:20 *An Optimum Design of Linear Phase FIR Filters by the Generalized Brain-State-in-a-Box Neural Network Model*

Seyyed Abbas Hosseini (Islamic Azad University, Central Tehran Branch, Iran); Fardad Farokhi (Islamic Azad University, Central Tehran Branch, Iran)

SESSION	: A2 - Mechatronics I
DATE	: 5 October 2009
TIME	: 10:40 am - 12:40 pm
VENUE	: Bunga Anggerik

10:40 *Comparative Study of Parametric and Intelligent Unstructured Uncertainties for Robust Controller Design*

Safanah M Raafat (IIUM, Malaysia); Wahyudi Martono (Int'l Islamic University of Malaysia, Malaysia); Rini Akmeliawati (International Islamic University, Malaysia)

11:00 *Investigation of Feed-forward Techniques for Anti-sway Control of 3-D Gantry Crane System*

Mohd Ashraf Ahmad (Universiti Malaysia Pahang, Malaysia); Raja Mohd Taufika Raja Ismail (Universiti Malaysia Pahang, Malaysia); Mohd Syakirin Ramli (Universiti Malaysia Pahang, Malaysia); Nor Maniha Abd Ghani (Universiti Malaysia Pahang, Malaysia); Najidah Hambali (Universiti Malaysia Pahang, Malaysia)

11:20 *Genetic Algorithm Optimization of I/O Scales and Parameters for FLIC in Servomotor Control*

Oyas Wahyunggoro (Universiti Teknologi PETRONAS, Malaysia); Nordin B Saad (Universiti Teknologi Petronas, Malaysia)

11:40 *Architecturally Efficient Computation of Shortest Paths for a Mobile Robot*

Sridharan K (IIT Madras, India); Priya K (SoftJin Technologies, India); Rajesh Kumar Panakala (Shri Vishnu Eng. College, India)

12:00 *Improving Trajectory Tracking of a Three Axis SCARA Robot Using Neural Networks*

Safanah M Raafat (IIUM, Malaysia); Waladin Said (University of Technology, Iraq); Rini Akmeliawati (International Islamic University, Malaysia); Nagham Tariq (University of Technology, Iraq)

12:20 *Improving Horizontal and Vertical Sealing Systems in Continuous Automatic Form/Fill/Seal Machines by Electronic Control*

Yingui Liu (Tianjin Electronic Information Vocational Technology College, P.R. China); Shuyu Xu (Hebei University of Technology, P.R. China); Guozhi Song (Queen Mary, University of London, United Kingdom)

Kingdom); Mingzhe Liu (Tianjin Fuhang Instrument New Technology Industry Co. Ltd., P.R. China); Hong Qi (Tianjin Electronic Information Vocational Technology College, P.R. China)

SESSION	: R3 - Communications & Network II
DATE	: 5 October 2009
TIME	: 2:00 pm - 3:40 pm
VENUE	: Bunga Teratai

14:00 LOCATE: A Hybrid Localization Scheme for Wireless Sensor Networks
Amutha Krishnan (SRM university, India); Murugesan Ponnaivaikko (Vice Chancellor, India)

14:20 Immune-inspired Framework for securing Hybrid Mobile Ad hoc networks
Yasir A.gadir Mohamed (university technology PETRONAS, Malaysia)

14:40 A New Adaptive Power Optimization Scheme for Target Tracking Wireless Sensor Networks
Hadi Jamali Rad (Iran University of Science and Technology, Iran); Mahdi Azarafrooz (Iran University of Science and Technology, Iran); Hadi Shahriar Shahhoseini (Iran University of Science and Technology, Iran); Bahman Abolhassani (Iran University of Science and Technology, Iran)

15:00 Collaborative Mesh Networking for Low Cost Wireless Coverage in Rural Areas
Suhanya Jayaprakasam Pillay (Multimedia University, Malaysia); Teong Chee Chuah (Multimedia University, Malaysia); Su Wei Tan (Multimedia University, Malaysia)

SESSION	: K3 - Electrical Machines & Drives I
DATE	: 5 October 2009
TIME	: 2:00 pm - 3:40 pm
VENUE	: Bunga Kenanga

14:00 Robust PSO Based Power System Stabilizers Design
Ebrahim Babaei (Faculty of Electrical and Computer Engineering, University of Tabriz, Iran); Sadjad Galvani (Faculty of Electrical and Computer Engineering, University of Tabriz, Iran); Mehdi Ahmadi jirdehi (Faculty of Electrical and Computer Engineering, University of Tabriz, Iran)

14:20 Lyapunov Function based Design of PMSM State Observer for Sensorless Control
Pavel Vaclavek (Brno University of Technology, Czech Republic); Petr Blaha (Brno University of Technology, Czech Republic)

14:40 An Identification of model for integrated variable speed drive, induction motor and dynamometer
Muhammad Arrofiq (Universiti Teknologi Petronas, Indonesia); Nordin B Saad (Universiti Teknologi Petronas, Malaysia); Mohd Noh Karsiti (Universiti Teknologi Petronas, Malaysia)

15:00 Switching loss characteristics of advanced DPWM methods using space vector clamping sequences
Kolli Sri Gowri (JNTU, India); Teegala Brahmananda Reddy (S.K.University, India); Ch. Sai Babu (JNTU, India)

15:20 determining the traveling wave coefficients in power transformers using detailed model
Amidedin Mousavi (Sama Zanzan university, Iran); Ebrahim Rahimpour (Master, Iran)

SESSION	: A3 - Electronic Design II
DATE	: 5 October 2009
TIME	: 2:00 pm - 3:40 pm
VENUE	: Bunga Anggerik

14:00 Nonlinear Parametric Studies of Photon in a Fiber Bragg Grating
Toto Saktioto (Universiti Teknologi Malaysia, Malaysia, Malaysia); Haryana Hairi (Universiti Teknologi Malaysia, Malaysia); Fadhali Mohamed (Universiti Teknologi Malaysia, Malaysia); Preecha Yupapin (King Mongkut's Institute of Technology Ladkrabang, Thailand); Jalil Ali (Universiti Teknologi Malaysia, Malaysia)

14:20 Achievable Bandwidth of a Quarter Wavelength Side-Coupled Ring Resonator

Zuhani Ismail Khan (Universiti Teknologi MARA (UiTM), Malaysia); Mohd Khairul Mohd Salleh (Universiti Teknologi MARA (UiTM), Malaysia); Gaetan Prigent (Institut National Polytechnique de Toulouse, INPT-ENSEEIH, France)

14:40 LFSR based Fast Seed Selection Technique Reducing Test Time of IDDQ Testing

Syed Islam (College of Engineering, Universiti Tenaga Nasional, Malaysia)

15:00 FPGA Implementation of Real Time Acoustic Noise Suppression by Spectral Subtraction using Dynamic Moving Average Method

Upal Mahbub (Bangladesh University of Engineering and Technology, Bangladesh); Tauhidur Rahman (Bangladesh University of Engineering and Technology, Bangladesh); A. B. M. Harun-ur Rashid (Bangladesh University of Engineering and Technology, Bangladesh)

15:20 Multiphase Sinusoidal Oscillators Using Operational Trans-resistance Amplifier

Rajeshwari Pandey (Delhi College of Engineering, India); Mayank Bothra (Delhi College of Engineering, India)

SESSION	: T3 - Instrumentation & Measurement III
DATE	: 5 October 2009
TIME	: 2:00 pm - 3:40 pm
VENUE	: Bunga Tanjung

14:00 Electromagnetic Tomography Featuring Ultra Wide Band Sensor with Conformal Finite Difference (CFDTD) Modeling of Dispersive Media.

Tareq Zanoon (University Sains Malaysia, Malaysia); Saed Binajja (University of Sains Malaysia, Malaysia); Mohd Zaid Abdullah (University Science Malaysia, Malaysia)

14:20 Intelligent Sensor for Predicting the Quality of Reduced Iron in Direct Reduction Furnace

Abdulwahid A. Al-Saif (Professor, Saudi Arabia)

14:40 Simulation of Dynamic Behaviour of Numerical Distance Relays

Hamid H Sherwali (Al-Fatah University, Libya); Abdlnnam Abdrahem (Omer Al-Mokhtar University, Libya)

15:00 An Improved Robust Estimation Algorithm for Small IR Target Detection

Jin Liu (Xidian University, P.R. China); Hongbing Ji (School of Electronic Engineering, Xidian University, P.R. China)

15:20 Industrial Data Acquisition and Control System using two PLCs' Networked over MPI Network

Vijay Kumar Khatri (Institute of Industrial Electronics Engineering, Pakistan); Jetandar Khatri (Institute of Industrial Electronics Engineering, Pakistan); Ahsan J. Ghangro (Institute of Industrial Electronics Engineering, Pakistan); Syed Jaad ul Haque (Institute of Industrial Electronics Engineering, Karachi, Pakistan)

SESSION	: M3 - Power Electronics II
DATE	: 5 October 2009
TIME	: 2:00 pm - 3:40 pm
VENUE	: Bunga Melor

14:00 An analytical discrete model for evaluation the chaotic behavior of Boost converter under current control mode

Ataollah Abbasi (University of shahed, Iran); Mehrdad Rostami (Shahed University, Iran); Jafar Abdollahi (University of shahed, Iran); Hamid Abbasi (University of tehran, Iran); Hasan nazari Daneshmand (University of shahed, Iran)

14:20 Efficiency Performance Analysis of Series Loaded Resonant Converter

Taufik Taufik (California Polytechnic State University, San Luis Obispo, USA); Michael McCarty (Cal Poly State University, USA); Scott Watkins (California Polytechnic State University, San Luis Obispo, USA); Makbul Anwari (Universiti Teknologi Malaysia, Malaysia)

14:40 Electronic Transformer Design Using Single-phase Matrix Converter

H. M. Hanafi (Universiti Teknologi Mara, Malaysia); Ngah Ramzi Hamzah (Universiti Teknologi Mara, Malaysia); Mustafar Kamal Hamzah (Universiti Teknologi Mara, Malaysia)

15:00 Dynamic Voltage Restorer Based on Stacked Multicell Converter

Ebrahim Babaei (Faculty of Electrical and Computer Engineering, University of Tabriz, Iran); Arash Khoshkbar Sadigh (University of Tabriz, Iran)

SESSION	: K4 - Biomedical & Computational Biology III
DATE	: 5 October 2009
TIME	: 4:00 pm - 5:40 pm
VENUE	: Bunga Kenanga

16:00 Contrast Enhancement for Ziehl-Neelsen Tissue Slide Images using Linear Stretching and Histogram Equalization Technique

Muhammad Khusairi Osman (Universiti Teknologi Mara (UiTM), Malaysia); Mohd Yusoff Mashor (UNIMAP, Malaysia); Zuraidi Saad (Universiti Teknologi Mara, Malaysia); Hasnan Jaafar (Universiti Sains Malaysia, Malaysia)

16:20 Realization Assessment of Stabilizer with Pre-sonication on Size-distribution of Itraconazole Nanoparticulate in Wet-nanomilling

R. Radzuan (Universiti Teknologi Mara, Malaysia); Abu Bakar Majeed (Universiti Teknologi Mara, Malaysia); Mustafar Kamal Hamzah (Universiti Teknologi Mara, Malaysia); Ngah Ramzi Hamzah (Universiti Teknologi Mara, Malaysia); Nadeem Irfan Bukhari (International Medical University, Malaysia)

16:40 Cancellation of Artifacts in ECG Signals using Sign based Normalized Adaptive Filtering Technique

Mohammad Zia Ur Rahman (Narasaraopeta Engineering College, India)

17:00 Impacts of Age and Gender on Arterial Hemodynamic Functions in Normal Subjects

Azran Azhim (Tokyo Denki University, Japan); Yohsuke Kinouchi (The University of Tokushima, Japan)

SESSION	: R4 - Communications & Network III
DATE	: 5 October 2009
TIME	: 4:00 pm - 5:40 pm
VENUE	: Bunga Teratai

16:00 Developing Converged Application using Open Source Software

Amit Bhayani (R & D on VoIP, India)

16:20 Performance Study of Large Block Forward Error Correction with Random Early Detection Queue Policy

Omar Almomani (Universiti Utara Malaysia, Malaysia); Osman Ghazali (Universiti Utara Malaysia, Malaysia); Suhaidi Hassan (Universiti Utara Malaysia, Malaysia)

16:40 Application of Artificial Neural Network in Detection of Probing Attacks

Ifthikhar Ahmad (Universiti Teknologi Petronas, Malaysia); Azween Abdullah (Universiti Teknologi Petronas, Malaysia); Abdullah S Alghamdi (King Saud University, Saudi Arabia)

17:00 ICLEAR: Energy Aware Routing Protocol for WSN Using Irregular Cellular Learning Automata

Amir Hosein Fathy Navid (Islamic Azad University Qazvin Branch, Iran); Hamid Haj Seyyed Javadi (Shahed University, Iran)

SESSION	: A4 - Electronic Design III
DATE	: 5 October 2009
TIME	: 4:00 pm - 5:40 pm
VENUE	: Bunga Anggerik

16:00 An Overview Of Microcode-based and FSM-based Programmable Memory Built-In Self Test (MBIST) Controller For Coupling Fault Detection

Nur Qamarina Mohd Noor (Universiti Teknologi MARA, Malaysia); Azilah Saparon (Universiti Teknologi Mara, Malaysia); Yusrina Yusof (Universiti Teknologi MARA, Malaysia)

16:20 Assessing Combinatorial Interaction Strategy for Reverse Engineering of Combinational Circuits

Mohammed I. Younis (USM University, Malaysia); Kamal Zuhairi Zamli (Universiti Sains Malaysia, Malaysia)

16:40 Design and Implementation of LMS Adaptive Filter on Altera Cyclone II FPGA for ANC

Rahimie Mustafa (National University of Malaysia, Malaysia); Mohd Alauddin Mohd Ali (Universiti Kebangsaan Malaysia, Malaysia); Cila Umat (Faculty of Allied Health & Sciences, Malaysia); Dhifaf Aziz (Faculty of Engineering & Built Environment, Iraq)

SESSION	: T4 - Instrumentation & Measurement IV
DATE	: 5 October 2009
TIME	: 4:00 pm - 5:40 pm
VENUE	: Bunga Tanjung

16:00 Efficient Content-Based Copy Detection Using Signs of DCT Coefficient

Fitri Arnia (Syiah Kuala University, Indonesia); Khairul Munadi (Syiah Kuala University, Indonesia); Masaaki Fujiyoshi (Tokyo Metropolitan University, Japan); Hitoshi Kiya (Tokyo Metropolitan University, Japan)

16:20 Multi- Sensor Remote Sensing Image Fusion Based On Retina-Inspired Mode

Hassan Ghassemian (Tarbiat Modares University, Iran)

16:40 Automatic Ablution Machine using Vision Sensor

Ruzaidi Zamri (Universiti Teknikal Malaysia Melaka, Malaysia)

SESSION	: M4 - Power Electronics III
DATE	: 5 October 2009
TIME	: 4:00 pm - 5:40 pm
VENUE	: Bunga Melor

16:00 Harmonic Analysis of Input Current of Single-Phase Controlled Bridge Rectifier

Michael McCarty (Cal Poly State University, USA); Taufik Taufik (California Polytechnic State University, San Luis Obispo, USA); Andre Pratama (Cal Poly State University, USA); Makbul Anwari (Universiti Teknologi Malaysia, Malaysia)

16:20 Investigation of High Frequency Effects on Soft-Switched Synchronous Rectifier Buck Converter

Nor Zaihar Yahaya (Universiti Teknologi Petronas, Malaysia)

16:40 Dynamic Evolution Controller For Single Phase Inverter Application

Ahmad Saudi Samosir (Universiti Teknologi Malaysia, Malaysia); Abdul Halim Yatim (Universiti Teknologi Malaysia, Malaysia)

17:00 An Efficient Quasi-Active Power Factor Correction Scheme

Hussain Athab (Multimedia University, Malaysia); Krishnathevar Ramar (Multimedia university, Malaysia); Dylan Dah-Chuan Lu Dah-Chuan Lu (The University of Sydney, Australia)

Tuesday, Oct 6

SESSION	: R5 - Communications & Network IV
DATE	: 6 October 2009
TIME	: 8:40 am - 10:20 am
VENUE	: Bunga Teratai

8:40 Application and Evaluation of High Power Zigbee Based Wireless Sensor Network in Water Irrigation Control Monitoring System

Zulhani Rasin (Universiti Teknikal Malaysia Melaka, Malaysia); Hamzah Hizzi (Universiti Teknikal Malaysia Melaka, Malaysia); Mohd Shahrivel Mohd Aras (Universiti Teknikal Malaysia Melaka, Malaysia)

9:00 Enhanced Dynamic Bandwidth Allocation for upstream Ethernet PON

Sajaa Sadon (Universiti Tenaga Nasional, Malaysia); Norashidah Din (Universiti Tenaga Nasional, Malaysia); Intan Shafinaz Mustafa (Universiti Tenaga Nasional, Malaysia); Nurul Asyikin Mohd. Radzi (Universiti Tenaga Nasional, Malaysia)

9:20 Study of Mixed Mode Scenarios with IEEE 802.11 Networks and Bluetooth Network

Biju Issac (Swinburne University of Technology (Sarawak Campus), Malaysia)

9:40 A Design and Implementation of Timing and Frequency Synchronization for OFDM-based WLAN

Hun-sik Kang (ETRI, Korea); Sok-kyu Lee (ETRI, Korea); Sin-Chong Park (Information and communications University, Korea)

10:00 CRC Extension Header (CEH): A New Model to Handle Transmission Error for IPv6 Packets over Fiber Optic Links

Supriyanto Praptodiyono (NAv6 USM, Malaysia); Raja Kumar Murugesan (Universiti Sains Malaysia, Malaysia); Rahmat Budiarto (National Advanced IPv6 Centre, Malaysia); Sureswaran Ramadass (Associate Professor, Malaysia)

SESSION	: K5 - Electrical Machines & Drives II
DATE	: 6 October 2009
TIME	: 8:40 am - 10:20 am
VENUE	: Bunga Kenanga

8:40 Field Oriented Control of Permanent Magnet Synchronous Motor Using Predictive Space Vector Modulation

Bannae Sharifian (Faculty of Electrical and Computer Engineering, University of Tabriz, Iran)

9:00 Improving Damping of Micro-Turbine

Arash Shabani (Islamic Azad University-Abhar Branch,IRAN, Iran); Mojtaba Nemati (Islamic Azad University-Abhar Branch,IRAN, Iran); Hesam Yousefian (Islamic Azad University of Abhar,IRAN, Iran); Peyman Jafari (Zanjan Regional Electric Com. Iran, Iran)

9:20 Assessment and Comparison of Conventional Motor Starters and Modern Power Electronic Drives for Induction Motor Starting Characteristics

Mutasim I H Nour (University of Nottingham Malaysia Campus, Malaysia); Kanagaraj Pillay (University of Nottingham Malaysia Campus, Malaysia); Kwong Hou Yang (University of Nottingham Malaysia Campus, Malaysia); Datu Noornikman Datu Harun (University of Nottingham Malaysia Campus, Malaysia); Law Kah Haw (University of Nottingham Malaysia Campus, Malaysia)

9:40 Design and Study of a Saturated DC Reactor Fault Current Limiter

Bannae Sharifian (Faculty of Electrical and Computer Engineering, University of Tabriz, Iran); Ebrahim Babaei (Faculty of Electrical and Computer Engineering, University of Tabriz, Iran); Abapour Mehdi (University of Tabriz, Iran)

SESSION	: T5 - Instrumentation & Measurement V
DATE	: 6 October 2009
TIME	: 8:40 am - 10:20 am
VENUE	: Bunga Tanjung

8:40 Particle Swarm Optimization Algorithm for Facial Emotion Detection

Bashir M Ghandi (Universiti Malaysia Perlis, Malaysia); R. Nagarajan (Universiti Malaysia Perlis, Malaysia); Hazry Desa (Universiti Malaysia Perlis, Malaysia)

9:00 A New Abstraction Model for Biologically-Inspired Sound Signal Analyzer

Hammuzamer Irwan Hamzah (Universiti Teknologi PETRONAS, Malaysia); Azween Abdullah (Universiti Teknologi Petronas, Malaysia)

9:20 Piecewise-polynomial Bases and Specialized Processor for Digital Signal Processing

Kew Hsein Ping (Dongseo University, Korea)

9:40 Recognition of Separate and Adjoint Persian Letters Using Primitives

Shahab Ensafi (University of Shahaid Beheshti, Iran); Mohammad Eshghi (Shahid Beheshti University, Iran); Mahsa Naseri (Electronic engineering, Iran)

10:00 Chalcogenide Optical Fiber Based Sensor for Non-invasive Monitoring of Respiration

Wook Jae Yoo (Konkuk University, Korea); Jeong Ki Seo (Konkuk University, Korea); Dong Hyun Cho (Konkuk University, Korea); Kyoung Won Jang (Konkuk University, Korea); Ji Yeon Heo (Konkuk University, Korea); Soon-Cheol Chung (Konkuk University, Korea); Bongsoo Lee (Konkuk University,

Korea); Byung Gi Park (Soonchunhyang University, Korea); Joo Hyun Moon (Dongguk University, Korea); Sin Kim (Cheju National University, Korea)

SESSION	: A5 - Mechatronics II
DATE	: 6 October 2009
TIME	: 8:40 am - 10:20 am
VENUE	: Bunga Anggerik

8:40 Performing High Level Tasks with a Sole Microcontroller-Based Mobile Robot

Narendra Babu K (IIT Madras, India); Leena Vachhani (Indian Institute of Technology Madras, India); Rajarao V (IIT Madras, India); Sridharan K (IIT Madras, India)

9:00 Dissipative Control for Internet-based Switching Systems

Magdi S. Mahmoud (KFUPM, Saudi Arabia)

9:20 A Novel Fuzzy Logic Technique in Automation Design of Industrial Circuits

Zahra Soleimani Tazekandi (Azad university, Iran); Farhad Razaghian (Azad university, Iran)

9:40 Transportation and Emplacement System of Pre-assembled EBS for HLW Geological Disposal in Japan

Toshihiko Awano (IHI Corporation, Japan); Takeshi Kanno (Project group, Japan); Shunsuke Katsumata (Sony Corporation, Japan); Kazuhiro Kosuge (Graduate School of Engineering, Japan)

10:00 Vision-based System for Line Following Mobile Robot

Abdul Halim Ismail (Universiti Putra Malaysia, Malaysia); Hafiz Rashidi Ramli (Universiti Putra Malaysia, Malaysia); Mohd Hamizi Ahmad (Universiti Putra Malaysia, Malaysia); Mohammad Hamiruce Marhaban (Universiti Putra Malaysia, Malaysia)

SESSION	: M5 - Power Electronics IV
DATE	: 6 October 2009
TIME	: 8:40 am - 10:20 am
VENUE	: Bunga Melor

8:40 Harmonic Reduction Using Current Injection Based Twelve-Pulse Rectifier

Mohd Najib Mohd Hussain (Universiti Teknologi Mara, Malaysia); Ahmad Asri Abd Samat (Universiti Teknologi Mara, Malaysia)

9:00 A Simple Direct-Frequency Control of AC/DC Three-Phase Current Injection Series Resonant Converter

Mohammad Nawawi Seraji (Universiti Teknologi MARA, Malaysia); Andrew Forsyth (The University of Manchester, United Kingdom)

9:20 Repeatedly Resonating Ignition Circuit for HID Lamp Electronic Ballasts

Chin-Sien Moo (National Sun Yat-Sen University, Taiwan); Kuo-Hsing Lee (National Sun Yat-Sen University, Taiwan); Chun-Kai Huang (National Sun Yat-Sen University, Taiwan); Dai Huang (Chi-Mei Optoelectronic Corp., Taiwan)

9:40 Stability Enhancement of Power System by Controlling HVDC Power Flow through the Same AC Transmission Line

Kartik Prasad Basu (Multimedia University, Malaysia)

10:00 PWM-Based Control Strategy for Forced Commutated Cycloconverters

Ebrahim Babaei (Faculty of Electrical and Computer Engineering, University of Tabriz, Iran); Ali Aghabeigi Heris (Faculty of Electrical and Computer Engineering, University of Tabriz, Iran)

SESSION	: K6 - Biomedical & Computational Biology IV
DATE	: 6 October 2009
TIME	: 10:40 am - 12:40 pm
VENUE	: Bunga Kenanga

10:40 Choice for a Support Vector Machine Kernel Function for Recognizing Asphyxia from Infant Cries

Rohilah Sahak (Universiti Teknologi MARA, Malaysia); Wahidah Mansor (Universiti Teknologi MARA, Malaysia); Lee Yoot Khuan (Universiti Teknologi MARA, Malaysia); Ihsan Yassin (Universiti Teknologi

Mara, Malaysia); Azlee Zabidi (Universiti Teknologi MARA, Malaysia); Farah Yasmin Abd. Rahman (Universiti Teknologi MARA, Malaysia)

11:00 Development of Transduction Circuit for Piezoresistive MEMS Sensor for Biosensing

Mohd Abdullah (Universiti Teknologi MARA, Shah Alam, Malaysia); Lee Yoot Khuan (Universiti Teknologi MARA, Malaysia); Nina Madzhi (Universiti Teknologi MARA, Shah Alam, Malaysia); Marianah Masrie (Universiti Teknologi MARA, Shah Alam, Malaysia); Anuar Ahmad (Universiti Industri Selangor, Malaysia)

11:20 Analytical Solution for Anthropomorphic Limbs Model (IK of Human Arm)

Mohammed Zeki Al-Faiz (Nahrain University, Iraq); Yousif Ismial Mohammed (Al anbar university/ Currently PhD Student at University of Technology, Iraq)

11:40 The Design of Electrode-Array for Monitoring the Cellular Bioimpedance

Yi-Yu Lu (National Cheng Kung University, Taiwan); Ji-Jer Huang (Southern Taiwan University, Taiwan); Kuo-Sheng Cheng (Kun Shan University, Taiwan)

12:00 Inductive Link Design for Medical Implants

Hussnain Ali (Center for Advanced Research in Engineering, Pakistan); Talha Jamal Ahmad (Center for Advanced Research in Engineering, Pakistan); A Khan (NUST, Rawalpindi, Pakistan, Pakistan)

SESSION	: R6 - Communications & Network V
DATE	: 6 October 2009
TIME	: 10:40 am - 12:40 pm
VENUE	: Bunga Teratai

10:40 Analysis of Channel Time Allocations for MPEG-4 Video Transmission over UWB WPAN

Norazizah Mohd Aripin (Universiti Teknologi Malaysia, Malaysia)

11:00 Active learning: Engaging Students in the Classroom Using Mobile Phones

Media Ayu (International Islamic University Malaysia, Malaysia); Ken Taylor (CSIRO, Australia); Teddy Mantoro (International Islamic University Malaysia, Malaysia)

11:20 Multi-observers Instance-Based Learning Approach for Indoor Symbolic User Location Determination Using IEEE 802.11 Signals

Teddy Mantoro (International Islamic University Malaysia, Malaysia); Media Ayu (International Islamic University Malaysia, Malaysia)

11:40 Dynamic-KNN: A Novel Locating Method in WLAN Based on Angle of Arrival

Mina Maleki (Iran Telecommunication Research Center-ITRC, Iran); Mahnaz Roshanaei (University of Tehran, Iran)

12:00 Self-Optimized Autonomous Routing Protocol for Wireless Sensor Networks with Cross Layer Architecture

Kashif Saleem (Universiti Teknologi Malaysia, Malaysia); Norsheila Faisal (Universiti Teknologi Malaysia, Malaysia); Rozeha A. Rashid (Universiti Teknologi Malaysia, Malaysia); Sharifah Hafizah Syed Ariffin (Universiti Teknologi Malaysia, Malaysia); Sharifah K. Syed-Yusof (Universiti Teknologi Malaysia, Malaysia); Yakubu S Baguda (University of Technology, Malaysia, Malaysia)

12:20 Performance Analysis of Uplink MIMO MC-CDMA Systems with V-BLAST over Frequency Selective Rayleigh Fading Channel

Chirawat Kotchasarn (Rajamangala University of Technology Thanyaburi, Thailand)

SESSION	: T6 - Instrumentation & Measurement VI
DATE	: 6 October 2009
TIME	: 10:40 am - 12:40 pm
VENUE	: Bunga Tanjung

10:40 Automatic Feature Definition and Selection in Fault Diagnosis of Oil Rig Motor Pumps

Estefhan Wandekokem (Universidade Federal do Espirito Santo, Brazil)

11:00 Blind Speech Separation Using OPCA Method

Yasmina Benabderrahmane (Université du Québec, Canada); Sid-Ahmed Selouani (Université de Moncton, campus of Shippagan, Canada); Douglas O'Shaughnessy (INRS-Énergie-Matériaux-Télécommunications, Canada)

11:20 Modeling of Sound-Structure Interaction in a Rectangular Enclosure using Finite Element Method

Samira Mohamady (UPM (University putra Malaysia), Malaysia); Allahyar Montazeri (Iran University of Science and Technology, Iran); Raja Mohd Kamil Raja Ahmad (Universiti Putra Malaysia, Malaysia)

11:40 A Design of Butterworth Low Pass Filter's Layout Based on the Effect of Filter's Order on the Ideal Filter Approximation.

Mohd Faizul Md Idros (Universiti Teknologi Mara, Malaysia)

12:00 Fuzzy Blind-Spot Scanner for Automobiles

Uvais Qidwai (Qatar University, Qatar)

12:20 Current Controlled Conveyor based Transmittance mode Universal Filter

Sajal Paul (Indian School of Mines, India); Neeta Pandey (Delhi College of Engineering, India); Asok Bhattacharyya (Delhi College of Engineering, India)

SESSION	: A6 - Mechatronics III
DATE	: 6 October 2009
TIME	: 10:40 am - 12:40 pm
VENUE	: Bunga Anggerik

10:40 Neuro-PID Control of an Industrial Furnace Temperature

Amin Aeinmehr (Power and Water university of Ttechnology, Iran); Alireza Yazdizadeh (Power and water university of technology, Iran); MohammadSadegh Ghazizadeh (Power and Water University of Technology, Iran)

11:00 Robust H_{∞} Controller Design for Distillation Column based on Multi-objective Optimization and Genetic Algorithms

Ata Arvani (K.N. Toosi University of Technology, Iran); Mohammad Teshnehlab (K.N. Toosi University of Technology, Iran); Mahdi Aliyari Sh. (K.N. Toosi University of Technology, Iran)

11:20 RFID Based Attendance System

Tien Sze Lim (Multimedia University, Malaysia); Siang Chiang Sim (Multimedia University, Malaysia); Muhammad Muslim Mansor (Multimedia University, Malaysia)

11:40 Utilization of Webots and Khepera II as a Platform for Neural Q-Learning Controllers

Velappa Ganapathy (Monash University Sunway Campus, Malaysia); Chin Yun Soh (Monash University, Malaysia); Wen Lik Dennis Lui (Monash University, Australia)

12:00 Concept of a modular climbing robot

Jörg Mämpel (Ilmenau University of Technology, Germany); Torsten Koch (Ilmenau University of Technology, Germany); Sebastian Köhring (Ilmenau University of Technology, Germany); Andreas Obermaier (Ilmenau University of Technology, Germany); Hartmut Witte (Technische Universität Ilmenau, Germany)

12:20 Parallel Distributed Compensation Based Robust Fuzzy Control

Carlos Cesar Ferreira (Federal Institute of Education, Science and Technology-IFMA, Brazil); Ginalber Serra (Federal Institute of Education, Science and Technology-IFMA, Brazil)

SESSION	: M6 - Power Electronics V
DATE	: 6 October 2009
TIME	: 10:40 am - 12:40 pm
VENUE	: Bunga Melor

10:40 A Fully Soft-Switched ZVZCS Full-Bridge PWM Converter

Mohsen Packnezhad (Isfahan University of Technology, Iran); Hosein Farzanehfard (Isfahan University of Technology, Iran)

11:00 Analysis and Modification of a ZVT Inverter Behavior

Khalil Rahimi (Isfahan University of Technology, Iran); Hosein Farzanehfard (Isfahan University of Technology, Iran)

11:20 Design of a Gain Scheduling Photovoltaic Energy Conversion System

Woei-Luen Chen (Chang Gung University, Taiwan)

11:40 Switching loss Characteristics of advanced DPWM methods using space vector based double switching clamping sequences

Kolli Sri Gowri (JNTU, India); Teegala Brahmananda Reddy (S.K.University, India); Ch. Sai Babu (JNTU, India)

12:00 A New Single Switch Buck-Boost Type DC-DC Converter

Majid Delshad (Islamic Azad University, Khorasgan Branch, Iran); Hosein Farzanehfard (Isfahan University of Technology, Iran)

12:20 The Renewable Energy Applications for Uninterruptible Power Supply Based on Compressed Air Energy Storage System

Varin Vongmanee (University of the Thai Chamber of Commerce, Thailand)

SESSION	: K7 - Biomedical & Computational Biology V
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DATE	: 6 October 2009
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TIME	: 2:00 pm - 3:40 pm
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VENUE	: Bunga Kenanga
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14:00 Mathematical Modeling of Inductive Link for Optimizing Efficiency

Hussnain Ali (Center for Advanced Research in Engineering, Pakistan); Talha Jamal Ahmad (Center for Advanced Research in Engineering, Pakistan); A Khan (NUST, Rawalpindi, Pakistan, Pakistan)

14:20 Comparison of Different Wavelet Transforms based Human Emotion Recognition using EEG Signals

M Murugappan (Universiti Malaysia Perlis (UniMAP), Malaysia); R. Nagarajan (Universiti Malaysia Perlis, Malaysia); Sazali Yaacob (Universiti Malaysia Perlis, Malaysia)

14:40 Grafting and Characterization of Poly(ethylene glycol) mono methyl ether on Poly(methacrylic acid-co-methyl methacrylate) via Direct Condensation Reaction

Ali Negahi Shirazi (Amirkabir University of Technology, Iran); Mohammad Imani (Iran Polymer and Petrochemical Institute, Iran); Shahriar Sharifi (Iran Polymer and Petrochemical Institute, Iran); Maryam Tajabadi (Amirkabir University of Technology, Iran)

15:00 A Robust Delineation Approach of Electrocardiographic P Waves

Yogendra Narain Singh (Institute of Engineering & Technology, Lucknow, India); Phalguni Gupta (Indian Institute of Technology Kanpur, India)

15:20 Automated Control of Micromanipulators – A Tool for BioMEMS Based Cell Culture

Ulrike Fröber (Ilmenau University of Technology, Germany); Silvia Veronica Lehmann (Ilmenau University of Technology, Germany); Richard Würfel (Ilmenau University of Technology, Germany); Jörg Mämpel (Ilmenau University of Technology, Germany); Mike Stubenrauch (Ilmenau University of Technology, Germany); Hartmut Witte (Technische Universität Ilmenau, Germany)

SESSION	: R7 - Electrical Machines & Drives III
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DATE	: 6 October 2009
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TIME	: 2:00 pm - 3:40 pm
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VENUE	: Bunga Teratai
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14:00 Development of Fuzzy Logic Controller on a Magnetic Bearing System

Sharatul Izah Samsudin (Universiti Teknikal Malaysia Melaka, Malaysia); Shahrum Shah Abdullah (Universiti Teknologi Malaysia, Malaysia); Sani Irwan Salim (UTeM, Malaysia); Ahmad Sadhiqin Mohd Isira (Universiti Teknikal Malaysia Melaka (UTeM), Malaysia)

14:20 Anew Scheme Sensorless Control of BLDC Motor using phase locked loop and third harmonic back-EMF

Maher Mohammed (University Sains Malaysia, Malaysia); Dahaman Ishak (Universiti Sains Malaysia, Malaysia)

14:40 Sliding Mode Observer based Direct Torque Control of a Brushless Doubly-Fed Reluctance Machine

Hamza Chaal (Northumbria University, United Kingdom); Milutin Jovanovic (Northumbria University, United Kingdom); Krishna Busawon (Northumbria University, United Kingdom)

SESSION	: A7 - Electronic Design IV
DATE	: 6 October 2009
TIME	: 2:00 pm - 3:40 pm
VENUE	: Bunga Anggerik

14:00 Improvement of Bimodal Breakdown Voltage Behavior on Thin Oxide POD Capacitor

Hong Seng Ng (X-FAB Sarawak Sdn. Bhd., Malaysia)

14:20 A Study of Device Performance on the Effects of Integrating Photodiode

Ahmad Sabirin Zoofakar (Universiti Teknologi MARA, Malaysia); Ziadora Ibrahim (Universiti Teknologi MARA, Malaysia); Azlan Zakaria (University Technology Mara, Malaysia)

14:40 A 10-bit Pipelined ADC for High Frame-Rate Video/Image Capturing Instruments and Systems

Cheng-Ta Chiang (Industrial Technology Research Institute, Taiwan)

15:00 Differential Charge Pump Circuit for High Speed PLL Application

Liqin Xue (Shandong University of Science and Technology, P.R. China); Zipeng Zhang (Hubei University of Technology, P.R. China)

15:20 A Comparative study of 6T,8T and 9T decanano SRAM cell

Paridhi Athe (Indian Institute of technology Kanpur, India); Sudeb Dasgupta (IIT Roorkee, India)

SESSION	: M7 - Power Electronics VI
DATE	: 6 October 2009
TIME	: 2:00 pm - 3:40 pm
VENUE	: Bunga Melor

14:00 Two-stage Electronic Ballast for Metal Halide Lamps with embedded Buck- Conversion and Ignition Circuit

Chin-Sien Moo (National Sun Yat-Sen University, Taiwan); Chun-Kai Huang (National Sun Yat-Sen University, Taiwan); Kuo-Hsing Lee (National Sun Yat-Sen University, Taiwan); Dai Huang (Chi-Mei Optoelectronic Corp., Taiwan)

14:20 Grid Connected Inverter with Unity Power Factor for Wind Power Applications

Varin Vongmanee (University of the Thai Chamber of Commerce, Thailand)

14:40 Small-signal AC modeling Technique of Buck Converter with DSP Based Proportional-Integral-Derivative (PID) Controller

Mohammad Faridun Naim Tajuddin (Universiti Malaysia Perlis, Malaysia); Nasrudin Abdul Rahim (University Malaya, Malaysia)

15:00 A New Active Clamping Soft Switching Weinberg Converter

Majid Delshad (Islamic Azad University, Khorasgan Branch, Iran); Bahador Fani (Islamic Azad university, Najafabad Branch, Iran)

15:20 Peripheral Interface Controller in the Single Phase Matrix Converter as AC-DC converter with safe commutation strategy

Md Hafizam Ariffin (Universiti Teknologi MARA, Malaysia)

SESSION	: T7 - Mechatronics IV
DATE	: 6 October 2009
TIME	: 2:00 pm - 3:40 pm
VENUE	: Bunga Tanjung

14:00 Smart Wheelchair design and monitoring via Wired and Wireless Networks

Youcef Touati (University of Paris 8 SAINT-DENIS, France); Ali-Chérif Arab (University of Paris 8 SAINT-DENIS, France); Achili Brahim (University of Paris 8 SAINT-DENIS, France)

14:20 Controller Design for Servo Motor

Mahanijah Md Kamal (Universiti Teknologi Mara, Malaysia)

14:40 The Quarter Car Fuzzy Controller Design Based on Model from Intelligent System Identification

Dirman Hanafi (Universiti Tun Hussein Onn Malaysia, Malaysia, Malaysia)

15:00 Design of a motorized hand held flexible instrument for Minimally Invasive Surgery

Sanaz Mosafer (Amirkabir university, Iran); Siamak Najarian (Amirkabir University of Technology, Iran); Siamak Hajizadeh (Amirkabir University of Technology, Iran); Nasser Simforoosh (Beheshti university, Iran)

15:20 Automated Measurements of Power Electronics Research Test Rig for Investigations of Single-phase Matrix Converter Operating as a Controlled Rectifier

Mohammad Shukri Hapeez (Universiti Teknologi MARA, Malaysia); Ngah Ramzi Hamzah (Universiti Teknologi Mara, Malaysia); Mustafar Kamal Hamzah (Universiti Teknologi Mara, Malaysia)

SESSION	: K8 - Biomedical & Computational Biology VI
DATE	: 6 October 2009
TIME	: 4:00 pm - 5:40 pm
VENUE	: Bunga Kenanga

16:00 Detecting Simulated Sprained Ankle Plantar Pressure Pattern Using Artificial Neural Network

Nassim Nasser (Amirkabir University of Technology, Iran); Farshad Almasganj (Amirkabir University of Technology, Iran); Siamak Najarian (Amirkabir University of Technology, Iran); Siamak Hajizadeh (Amirkabir University of Technology, Iran)

16:20 Lab-on-a-disk as a Potential Microfluidic Platform for Dengue NS1-ELISA

Nurul Aini Yusoff (University of Malaya, Malaysia); Norhayati Soin (University of Malaya, Malaysia); Fatimah Ibrahim (University of Malaya, Malaysia)

16:40 Formula for Improved Prediction on Susceptibility of Alzheimer's Disease based on Biomarkers with the addition of its Associated Risk Factors

H. A. Razak (Universiti Teknologi Mara, Malaysia); Habibah Hashim (Universiti Teknologi MARA, Malaysia); Mustafar Kamal Hamzah (Universiti Teknologi Mara, Malaysia); Abu Bakar Majeed (Universiti Teknologi Mara, Malaysia)

SESSION	: A8 - Other Network Applications
DATE	: 6 October 2009
TIME	: 4:00 pm - 5:40 pm
VENUE	: Bunga Anggerik

16:00 MultiPoint Relay Selection Using GA

Shukor Abd Razak (Universiti Teknologi Malaysia, Malaysia); Hassan Chizari (Universiti Teknologi Malaysia, Malaysia); Majid Hosseini (Universiti Teknologi Malaysia, Malaysia)

16:20 Video Quality of Service in DiffServ-Aware Multiprotocol Label Switching Network

Habibah Hashim (Universiti Teknologi MARA, Malaysia)

16:40 Performance Analysis of Detection Schemes in MIMO Spatially Correlated Channels

Adnan Ahmed Khan (National University of Science and Technology, Pakistan); Safwat Irteza Butt (Royal Institute of Technology (KTH), Sweden); Ismail Shah (Iqra University Islamabad Pakistan, Pakistan); Farhan Khawar (National University of Sciences and Technology, Pakistan); Momin Shahab (National University of Sciences & Technology, Pakistan)

17:00 Visualization of Flow Data Based on Clustering Technique for Identifying Network Anomalies

Subramanian Neelakandan (Centre for Development of Advanced Computing (C-DAC), India); Rajamenakshi Ramachandran (Center for Development of Advanced Computing (C-DAC), India); Mayank Singh (C-DAC (Centre for Development of Advanced Computing), India)

SESSION	: R8 - Other Computer Applications
DATE	: 6 October 2009
TIME	: 4:00 pm - 5:40 pm
VENUE	: Bunga Teratai

16:00 *Extending Security Token to Directly Issue Proxy Certificate on P-GRADE Portal*

Galoh Rashidah Haron (MIMOS Berhad, Malaysia); Ng Kang Siong (MIMOS Berhad, Malaysia); Sea Chong Seak (MIMOS Berhad, Malaysia); Tan Fui Bee (MIMOS Berhad, Malaysia)

16:20 *A Bayesian Belief Network Cost Estimation Model that Incorporates Cultural and Project leadership Factors*

Khaled Hamdan (UAE University, UAE); Stamatia Bibi (Aristotle University of Thessaloniki, Greece); Lefteris Angelis (Aristotle University of Thessaloniki, Greece); Ioannis Stamelos (Aristotle University of Thessaloniki, Greece)

16:40 *Investigation of Computational Cost Model of MLP Parallel Batch Training Algorithm*

Volodymyr O. Turchenko (The University of Calabria, Italy); Lucio Grandinetti (University of Calabria, Italy)

17:00 *A study of Aspect Oriented testing techniques*

Mohit Kumar (RIMT-IET Mandi Gobindgarh, India); Akashdeep Sharma (BBSBEC Fathegarh Sahib, India); Sushil Garg (RIMT-IET, India)

SESSION	: T8 - Instrumentation & Measurement VII
DATE	: 6 October 2009
TIME	: 4:00 pm - 5:40 pm
VENUE	: Bunga Tanjung

16:00 *Fast Face Detection Using Boosted Eigenfaces*

Mohan R. (Nanyang Technological University, Singapore); Sudha Natarajan (Nanyang Technological University, Singapore)

16:20 *Solving global permutation ambiguity of time domain BSS using speaker specific features of speech signals*

Vahid Khanagha (Iran University of Science and Technology, Iran); Ali Khanagha (Research institute of Petroleum industry, Iran)

16:40 *Investigation on the effectiveness of Classifying the Voltage Sag Using Support Vector Machine*

Noraliza Hamzah (Universiti Teknologi MARA, Malaysia)

SESSION	: M8 - Power Electronics VII
DATE	: 6 October 2009
TIME	: 4:00 pm - 5:40 pm
VENUE	: Bunga Melor

16:00 *A New Topology for Dynamic Voltage Restorers without dc Link*

Ebrahim Babaei (Faculty of Electrical and Computer Engineering, University of Tabriz, Iran); Mohammad Farhadi Kangarlu (Faculty of Electrical and Computer Engineering, University of Tabriz, Iran)

16:20 *Decoupled Random modulation technique for an open-end winding induction motor based 3-level Inverter*

David George (College of Engineering, Trivandrum, Kerala, India); M. R. Baiju (Assistant Professor, India)

16:40 *Voltage Rise due to Inter-connection of Embedded Generators to Distribution Network on Weak Feeder*

Saad Mekhilef (University of Malaya, Malaysia)