

2011 IACSIT SINGAPORE CONFERENCES SCHEDULE

**2011 3rd International Conference on Signal Acquisition and Processing
(ICSAP 2011)**

**2011 2nd International Conference on Mechanical, Industrial, and
Manufacturing Technologies (MIMT 2011)**

Singapore

February 26-28, 2011

Co-Sponsored by



www.iacsit.org

Registration Only: February 26, 2011 (Saturday)

Lobby of Hotel Royal

10:00 – 12:30 13:30 - 17:00	Arrival and Registration
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- Note :** (1) You can also register at any time during the conference.
 (2) Certificate of Participation can be collected at the registration counter.
 (3) The organizer won't provide accommodation, and we suggest you make an early reservation.

Conference: Morning, February 27, 2011 (Sunday)

Venue: Conference Room 1

8: 40- 8:50	Opening Remarks Steven Thatcher University of South Australia, Australia
8:50 - 09:40	Keynote Speaker Speech 1 Prof. Ning Xi City University of Hong Kong, Hong Kong
09:40- 10: 10	Coffee Break & Photo Session
10:10 - 11:00	Keynote Speaker Speech 2 Prof. Wei-Hsin Liao Chinese University of Hong Kong, Hong Kong
11:00-11:50	Keynote Speaker Speech 3 Professor .G.K. Joshi Jai Narain Vyas University, India

11:50 - 13:00	Buffet Lunch
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Afternoon, Feb. 27, 2011 (Sunday)

SESSION – 1 (MIMT) – Mechanical, Industrial, and Manufacturing Technologies

Venue: Conference Room 1

Session Chair:

Time: 13:00 – 15:30

T0009	An Implementation of Lean Technology in an In-Plant Manufacturing System, a Furniture Company Quynh-Lam Ngoc Le, Ngoc-Hien Do and Ki-Chan Nam
T0012	Sedimentation load analysis using ANN and GA Dillip Kumar Ghose, Dr P C Swain and Dr Sudhansu Sekhar Panda
T0013	Analyzing oscillating input flow around a circular cylinder Behzad Ghadiri Dehkordi and Ali Mehrabadi
T0017	Surface Modification using Electric Discharge Machining (EDM) with Powder Addition Ahsan A. Khan, Mohammed B. Ndaliman, Zakaria M. Zain, Mohammad F. Jamaludin, and Umar Patthi
T0019	Bead geometry optimization of Submerged Arc Weld: Exploration of Weighted Principal Component Analysis (WPCA) A Biswas, S Bhaumik, G Majumdar, S Datta and SS Mahapatra
T0020	Study of wear assessment and optimization of multiple properties of red mud filled

	polyester composites Prof. Siba Sankar Mahapatra and Dr. Saurav Datta
T0021	Methods for Creating Uniform Irradiance for LED Luminaries with the Use of Reflectors Shao-Shu Chu, Jung-Chang Hsu, Christopher Miguel Sevilla and Chun-huang Chiang
T0023	An Interpretive Structural Modeling Approach for Analysis of Interactions among the Barriers in Reverse Logistics Santosh Kumar Sharma, Siba Sankar Mahapatra, Biranchi Narayan Panda and Sadanand Sahu
T0027	Multi Objective Optimization of Electro Discharge Machining of Resin Bonded Silicon Carbide R.Venkataraman
T0029	Three Dimension Finite Element Model for Neck-spinning Process of Tube at Elevated Temperature Chi-Chen Huang, Chinghua Hung, Jung-Chung Hung and Chia-Rung Lin
T0031	Minimizing total weighted tardiness on parallel batch-processing machine scheduling problems with varying machine capacities Fuh-Der Chou and Hui-Mei Wang
T0032	Hybrid Flow Shop Scheduling Problems with Multiprocessor Tasks Hui-Mei Wang, Fuh-Der Chou, Ful-Chiang Wu and Meei-Yuh Ku
T0034	Productivity Improvement in Plastic Bag Manufacturing Through Lean Manufacturing Concepts: A Case Study Tahera Yesmin, Md. Masuduzzaman and Ahmed Zaheer
T0035	Enhancement of Welded Joints Productivity Effect of Welding Position on Fatigue Strength Mahdi Kazemi Hatami, Amir Masoud Amini and Kamran Fallahi
T0036	Thermal Behavior of a Flow in a Pulsed Detonation Thermal Spraying Device Mohammad K. Alkam and P. Barry Butler
T0041	Effect of X-Ray Computed Tomography Scanning Parameters on the Estimated Porosity of Foam Specimens Jagadeesha Kumar, Abdul-Hadi G. Abulrub, Alex Attridge and Mark A Williams
T0042	Construction and application of 3D and 2D type maps for linkages Wen-Yeuan Chung
T0044	Development and Implementation of an Integrated Sensor Platform based on Graphical Monitoring and Control Wen-Jye Shyr and Chia-Ming Lin
T0045	Studies on The Effect of Approach Angle and Process Parameters in Face Milling Sadasiva Rao T., Satyanarayana K., Praneeth Y. and Venu Gopal A
T0046	Inverse Kinematics with 3-Dimensional Tool Compensation for 5-Axis Machine Center of Tilting Rotary Table Chieh Tung, Pei-Lum Tso

15:30 - 15:40

Coffee Break

Afternoon, Feb. 27, 2011 (Sunday)

SESSION – 2 (MIMT) – Mechanical, Industrial, and Manufacturing Technologies

Venue: Conference Room 1

Session Chair:

Time: 15:40 – 18:10

T0047	Neuro Fuzzy Modeling of Laser Beam Cutting Process
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	Arun Kumar Pandey, Avanish Kumar Dubey
T0049	Development of a Quality Assurance Framework for Research and Development Youngjung Geum, Moon-Soo Kim and Jaewook Yoon
T0051	A Study of Springback in U-bending Process Using the Finite Element Simulation and Experimental Approach Majid Elyasi, Vahid Daeizadeh
T0052	Forming Force Analysis in Fine-blanking Process by Experimental Approach and Analytical Formulation Vahid Daeizadeh, Majid Elyasi and Meghdad Mollaei
T0053	Numerical Investigation of Flow Past a Wavy Airfoil K. Lam, Y.F. Lin, Y. Liu and L. Zou
T0055	A Stochastic Savings Algorithm for Vehicle Routing Problem with a Centralized Distribution Center and Delivery Time Window Methinee Sanjaiya, Jirachai Buddhakulsomsiri and Parthana Parthanadee
T0058	An Innovative Eigenvalue Problem Solver by Using Adomian Decomposition Approach Jung-Chang Hsu and Shao-Shu Chu
T0059	Parametric optimization in Electrochemical machining of EN-31 steel based on Grey relation approach A. Venu Gopal*, D.Chakradhar
T0062	Determining the Corrosivity of Atmospheres, Through the Weight Loss Method, According to ISO 9223 B.Y.R. Surnam and C.V Oleti
T0063	Corrosion Problems in Sugar Factories in Mauritius L. Tengur and B.Y.R. Surnam
T0065	Dynamic Modeling of Energy efficient Crab Walking of Hexapod Robot Shibendu Shekhar Roy and Dilip Kumar Pratihar
T0066	Bending analysis of composite sandwich plates with flexible core using 3D finite element method M. M. Kheirikhah and S. M. R. Khalili
T0112	The Effect of Nanotube Specifications on Multi-scale Modeling of Nanocomposites S. M. R. Khalili and A. Haghbin
T0067	A study on some aspects of E-Procurement in Indian Organizations Manish Gupta and Rakesh Narain
T0068	Advanced cost-efficient production scheduling in hi-tech manufacturing industry at Test operation Tanaporn Sillapa-archa, Phiphlu Thaninthanadech and Darin Smitasiri
T0069	Real-time Computer Simulation of Three Dimensional Elastostatics using the Finite Point Method Kirana Kumara P, Ashitava Ghosal
T0070	A Genetic Algorithm-based Approach for Flexible Job Shop Scheduling Rakesh Kumar Phanden, Ajai Jain and Rajiv Verma
T0071	Driving Characteristics of a Simple Square-Frame Ultrasonic Motor J.W. Kim, C.H. Park, S.S. Jeong, M.H. Kim, T.G. Park and H.H. Chong
T0072	Generating Characteristics of a Cantilever-Type Unimorph Piezoelectric Generator Depending on the Material and Mass C.H. Park, J.W. Kim, S.S. Jeong, M.H. Kim, T.G. Park and H.H. Chong
T0074	Condensate Migration Dynamics into Porous Bed in a Nonperforated Chamber Eko Siswanto, Hiroshi Katsurayama and Yasuo Katoh

T0193	FEA of Residual Stresses in Butt Welded Type Low Carbon Steel Using MMAW Technique Gurinder Singh Brar and Gurdeep Singh
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Afternoon, Feb. 27, 2011 (Sunday)

SESSION – 3 (MIMT) – Mechanical, Industrial, and Manufacturing Technologies

Venue: Conference Room 2

Session Chair:

Time: 13:00 – 15:30

T0077	Investigations on tool wear in micro ultrasonic machining Vivek Jain, A. K. Sharma and Pradeep Kumar
T0078	Thermal and Coolant Flow Computational Analysis of Cooling Channels for an Air-Cooled PEM Fuel Cell W.A.N. W. Mohamed, M.F. Remeli, A.H.A. Hamid and R. Atan
T0080	Modeling and simulation of controlled manipulation by AFM nano robot Ali Kafash Hoshlar, Mohamad Reza Khalili, Mahmood Hashemi Nejad and Hafez Raeisi Fard
T0081	Modeling and Simulation of Nano Structures Based on Molecular Dynamics Ali Kafash Hoshlar, Hamed Raeisi Fard, Mohamad Mehdi Kheirikhah and Hafez Raeisi Fard
T0086	Influence of non-uniform sinusoidal periodic bottom boundary condition on natural convection in an isotropic porous enclosure Manish Kr. Khandelwal, P. Bera
T0087	Effect of periodicity of non uniform sinusoidal side heating on natural convection in an anisotropic porous-enclosure S.Kapoor, P.Beras
T0089	Numerical Simulation of Cavitation and Aeration in Discharge Gated Tunnel of a Dam Based on the VOF Method Razieh Jalalabadi and Norouz Mohammad Nouri
T0090	A study on the stability of a mast structure for erecting a large crane Hoon-Hyung Jung and Chae-Sil Kim
T0091	Influence of TiO ₂ and ZrO ₂ nano particles addition in Al ₂ O ₃ base coating using plasma spraying Nuchjira Dejang and Sukanda Jiansirisomboon
T0092	A Framework for Evaluating R&D Process Using a Best Practice Approach Yeongran Jo, Chanwoo Cho, Jee-eun Kim, Sungjoo Lee and Jeawook Yoon
T0093	A Systematic Design of Tilting Pad Journal Bearing for a 1.2MW Turboblower Hyeonmin Jo, Chaesil Kim and Sooyong Cho
T0094	Running Model for a Compliant Wheel-Leg Hybrid Mobile Robot by Using a Mass-Spring Model Youngshik Kim, Dong-Hwan Shin, Oh-Seok Kwon, and Jinung An
T0095	Tribological Characteristics in Modified Magneto-rheological Fluid Deuk-Won Lee, Jae-Young Choi, Myeong-Woo Cho, Chul-Hee Lee, Won-Oh Cho and Hyuk-Chae Yun
T0096	Effects of Wind on Hot Air Recirculation (HAR) Behavior Leila Borghei and Ramin Haghighi Khoshkho
T0097	Modeling and Simulation of a Freeze Concentration System for Sugarcane juice concentration. Abhishek B. Sahasrabudhe, Ranjit R. Desai and Siddharth K. Jabade

T0098	The Leveling Position Control of a Four-axial Active Pneumatic Isolation System Using PWM-Driving Parallel Dual-On/Off Valves Chiang Mao-Hsiung and Lin Hao-Ting
T0099	Single Board Computer Based Building Security Management System: Contactless Smart Card for Automatic Door Access Control System Udayanto Dwi Atmojo, Udayanto Dwi Atmojo and Litasari, Astria Nur Irfansyah
T0100	Development of a framework for R&D process assessment Ahyeon Kim, Hyunhak Ha, Byungun Yoon and Jaewook Yoon
T0105	Semi active control of chaos in systems excited by non-ideal DC motor Saeed Farokhi, Aghil Yosefi Komma and Zohreh Bayat
T10038	Heat transfer approach to modelling and analysis of reverse Logistics inventory models Nasim Nahavandi, Farzad Haghighi and Saeed Farokhi

15:30 - 15:40	Coffee Break
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Afternoon, Feb. 27, 2011 (Sunday)

SESSION – 4 (MIMT) – Mechanical, Industrial, and Manufacturing Technologies

Venue: Conference Room 2

Session Chair:

Time: 15:40 – 18:10

T0102	The Role of Project Manager in SMEs for Developing New Product by E_Collaboration Marjan Mohammadjafari, Shamsuddin Ahmed, Siti Zawiah Md Dawal and Hadi Zayandehroodi
T0107	The Optimization Design of Hospital Bed Structure for Independently Separating Left and or Right Leg Using Genetic Algorithms Aththaphon Ariyarit and Rung Kittipichai
T10048	Analytical solution for centrifugal force effect in functionally graded hollow sphere M. Jabbari and A.H. Mohazzab
T0115	Effects of Screw Fastening Sequence to Top cover Loosening in Hard Disk Drive Assembly Kampol Suknikhom, Pattaramon Jongpradist, Surachate Chutima and Thoatsanope Kamnerdtong
T0116	Anti-Windup Compensation for Embedded Cylindrical-Array Magnetic Actuator Nan-Chyuan Tsai, Rong-Mao Lee
T0117	Real Time Reliability Study of a Model With Increasing Failure Rates Mani Sharifi, Ehsan Hashemi and Peyman Farahpour
T0118	Numerical Analysis of Thermoelastic Instability in Disc Brake System Sung Pil Jung, Hyun Seok Song, Tae Won Park and Won Sun Chung
T0119	FINITE ELEMENT ANALYSIS OF CANTILEVER BEAM FOR OPTIMAL PLACEMENT OF PIEZOELECTRIC ACTUATOR Abhay M Khalatkar, Rakesh H Haldkar and V K Gupta
T0120	Feed-Water Repowering in Besat Power Plant: Technical and Costing Aspects Ramin Haghighi Khoshkhoo and Mohammad tanassan
T0121	Micro Electrochemical Machining of Tungsten Carbide Se Hwan Choi, Hong Shik Shin, Do Kwan Chung, Chong Nam Chu and Bo Hyun Kim
T0122	MHD Convection of an Electrically Conductive Fluid with Variable Thermal Conductivity

	Mohsen Pirmohammadi, Majid Ghassemi, and Mohsen Hamedi
T0124	Parameter Optimization of a Snake Robot Using Taguchi Method Hadi Kalani and Alireza Akbarzadeh
T0125	A New Approach to Kinematics Modelling of Snake-Robot Concertina Locomotion Alireza Akbarzadeh, Jalil Safehian and Javad Safehian
T0126	Optimization of shrinkage in Plastic injection molding process using statistical methods and SA algorithm Alireza Akbarzadeh and Mohammad Sadeghi
T0128	Tool design and speed parameters effects on microstructure and tensile strength of friction stir welding (FSW) 5052 Al alloys Ghodratollah Roudini, Sajad Gholami Shiri and Masoud Mohammadi Rahvard
T0130	Horn of Car Sensitive Controlled System for Helping Deaf Drivers and Improving Their Driving Dr. Sasan Mohammadi and Samaneh Gholi Mesgarha
T0132	A Continuous Control of Cutter Posture Change for Efficient 5-Axis Machining of Impeller H. C. Jung, K. B. Park, J. D. Hwang and Y. G. Jung
T0168	Derailment Analysis of High-Speed Railway Vehicle Bogies Yung-Chang Cheng, Chern-Hwa Chen and Che-Jung Yang
T0173	Optimization of New Metal Gasket Design Based on Contact Width Involving Contact Stress Consideration Moch. Agus Choiron, Shigeyuki Haruyama and Ken Kaminishi
T0185	Effect of Ag doping in 2205 duplex stainless steel on corrosion resistance Dong-Yih Lin, Sheng-Min Yang, Yong-Chih Chou, Yi-Ya Fang and Huei-Sen Wang
T0212	A New Genetic Algorithm for Designing Cellular Manufacturing Systems with Labor and Tools Issues Anis Gharbi, Abdulrahman Al-Ahmari, Mohamed Kais Msakni and Hisham Al-Khalefah

Afternoon, Feb. 27, 2011 (Sunday)

SESSION – 5(ICSAP) –Signal Acquisition and Processing

Venue: Conference Room 3

Session Chair:

Time: 13:00 – 15:30

P005	EMOTION RECOGNITION USING FINGER TIP TEMPERATURE: FIRST STEP TOWARDS AN AUTOMATIC SYSTEM G. SHIVAKUMAR
P008	Crowd Estimation using Histogram Model Classification Based on Improved Uniform Local Binary Pattern S.A.R. Abu-Bakar
P046	Face Recognition Under Variant Head Poses Using Single Frontal Gallery Image and Facial Symmetry S.A.R. Abu-Bakar
P009	Wavelet Packet Decomposition Based Traversable Terrain Classification for Autonomous Robot Navigation K.K.SoundraPandian
P016	A dynamic approach for tuning Gabor filters in the application of Iris Recognition using Genetic Algorithm Yogesh Karunakar
P021	Simple Minimax Design of Variable Fractional-Delay Filters Using Linear

	Programming Noboru Ito
P022	Calculating the Correlation Dimension of the Diesel Vibration Signals Zhang Xiaoming
P023	Multiple Descriptions Coinciding Lattice Vector Quantizer for Wavelet Image Coding Ehsan Akhtarkavan
P024	A Novel Algorithm to Optimize Image Scaling in OpenCV Samyuktha H Subramanian
P026	Direct-to-Reverberant Energy Ratio Estimation Based on Signal Direction of Arrival for Room Characterisation Yan-Chen Lu
P030	Local Reverse Entropy and its Application in Small Targets Detection He Deng
P033	Combination of Gabor and Curvelet Texture Features for Face Recognition Using Principal Component Analysis Sheikh Motahar Naim
P034	Direction of Arrival Estimation Method Based on Covariance Differencing Technique under Hermitian symmetric Toeplitz Noise Ning Li
P035	Texture Classification using Cosine-modulated Wavelets Milind M. Mushrif
P036	Voltage-Mode Universal Biquadratic Filters using OTA-URC Virote Pirajanchai
P037	Design and Experimental Investigation of 8×8 MIMO-OFDM Real-Time Transmission Testbed Yang Lan
P040	Effect of Postural Changes on Cardiorespiratory Coordination in Humans Muammar M. Kabir
P041	Video Surveillance – A Quick Survey R. Rajesh
P043	Grid Sectoring : A Cluster Head Election for Load Balancing over Wireless Sensor Networks. Anirooth Thongklin
P047	Three-Dimensional Wireless Localization Scheme in an Indoor Corridor Complex Siwen Chen
P050	An Enhanced Distributed Deadlock Detection and Recovery in Process Networks Abbas Fairouz
P053	Joust: a Uniform Approach for Processor Design In NoGap Per Karlstr

15:30 - 15:40

Coffee Break

Afternoon, Feb. 27, 2011 (Sunday)

SESSION – 6 (ICSAP) – Signal Acquisition and Processing

Venue: Conference Room 3

Session Chair:

Time: 15:40 – 18:00

P054	Erotic Audio Recognition Using Heterogeneous Ensemble Classifiers Tieran Zheng
P058	A Robust PDE based Image De-noising Method

	Nafis uddin Khan
P062	The TA2 Database - A Multi-Modal Database from Home Entertainment Stefan Duffner
P063	Smoothing via Iterative Averaging (SIA): A basic technique for line smoothing Mohsen Mansouryar
P065	Hand knuckle Identification by Using Contourlet and Wavelet Saeed Ayat
P066	Secure Audio Forensic Marking using Off-axis Hologram JongWeon Kim
P067	A spectral consistency tracker for selecting temporal analysis resolution in HE-AAC encoder An-chi Hu
P069	Offline Handwritten Signature Based Semi- Fragile Watermarking and Authentication using Block –Based Biorthogonal Wavelet Transform Meenakshi S Arya
P070	Iterative Edge-Preserving Adaptive Wiener Filter for Image Denoising Chikako Abe
P071	Extended Fundamental Frequency Extraction Using Exponentiated Amplitude Spectrum with Band-Limitation Saori Motegi
P072	Multidimensional Fast Multiplierless DCT Algorithm Using Ramanujan Ordered Numbers Geetha.K.S
P077	Thai Alphabet Recognition from Hand Motion Trajectory Using HMM Kittasil Silanon
P078	Improved LDPC Decoder with Adaptive Modified UMP-BP Algorithm Based on SNR Estimation Joo-Yul, Park
P079	Surface model reconstruction from triangular meshes for wreckage objects Tien-Tung Chung
P080	Estimated RV/TV based on Empirical Mode Decomposition of heart sound Alireza sharifnia
P082	A novel f-ART Model for Visual Lip reading based on Active Lip Model SUJATHA BASKERDOSS
P083	A QRS Detection Algorithm for Real-Time ECG Monitoring System Yongjoo Chung
P085	Selecting Relay Node with Active Position Detection in VANET Broadcasting. Truong Le
P091	Design of Electrical Meter Reading System Based on CDMA Network Yang Yan
P092	EEG Signal Discrimination using Non-linear Dynamics in the EMD Domain S M Shafiul Alam
P093	PHYSICAL LAYER IMPPAIRMENTS BASED DATA-PATH ROUTING IN WDM NETWORK SANTOS KUMAR DAS
P10008	Measurement of Dielectric Constant of Silicon Wafers Using Free-Space Method and DC-Technique Nani Fadzlina Naim

Morning, Feb. 28, 2010 (Monday)

SESSION – 7 (MIMT) – Mechanical, Industrial, and Manufacturing Technologies

Venue: Conference Room 1

Session Chair:

Time: 8:30 – 10:10

T0136	Cutting Performance of Turning Insert with Three-arcs-shaped Finishing Edge Wada Tadahiyo, Hiro Kazuki, and Nakanishi Jun
T0142	A Study on the Stability of curvic coupling for Distance to Disk in a mill turret Jihwan Choi and Chaesil Kim
T0144	Comparison of hybrid rapid mouldings for zinc alloy castings Rupinder Singh
T0145	Controlling of Traffic lights Using RFID Technology and Neural Network Sasan Mohammadi, Abolfazl Rajabi and Mostafa Tavassoli
T0146	Zero energy building Mohammad reza afshari basir and Nafiseh afshari basir
T0148	Mode analysis of end-milling process by recursive least square algorithm Jae-Yong Yang and Moon-chul Yoon
T0149	Workpiece surface generation with wavelet filtering using CLSM Jae-Yong Yang and Moon-chul Yoon
T0152	Using solar energy in building from the viewpoint of sustainable architecture Nafiseh afshari basir and Mohammad reza afshari basir
T0158	Finite Element Modeling of Natural Gas Pipeline Structure in response to external loads Y.Y. AL-Obaid
T0160	Effects of coolants on improving machining parameters while mach-inability Titanium alloy (Ti-6Al-4V): A Review Moaz H. Ali, R. Balasubramanian, Bashir Mohamed and Basim A. Khidhir
T0163	A New Computerized System for Piercing and Bending Progressive Die Design Mohammad Ali Farsi
T0164	Effects of Water and Steam Injection on Thermodynamic Performance of Gas-Turbine Systems Kyoung Hoon Kim
T0166	Models for Component Commonality in Multistage Production M. A. Wazed, S. Ahmed, Y. Nukman and Nader Ale Ebrahim
T0169	Numerical Modeling and Design of Thermoelectric Cooling Systems Rong-Yuan Jou
T0172	Modeling and Control of Ultra Precision Positioning System for a Grating Ruling Machine Shen Yuan, Liu Dong-cai, Lian Guo-fu, Guo Jie and Zhu Chang-an

10:10 - 10:20

Coffee Break

Morning, Feb. 28, 2010 (Monday)

SESSION – 8 (MIMT) – Mechanical, Industrial, and Manufacturing Technologies

Venue: Conference Room 1

Session Chair:

Time: 10:20—12:00

T0174	A Bayesian Method for Model Optimization in Structural Equation Models with Mixed Continuous and Ordered Categorical data Yun-Xian Li
T0175	Control System Development of Grating Ruling Engine Based on

	MATLAB/Simulink Dongcai Liu, Yuan Shen, Jun Zhong, Guofu Lian and Changan Zhu
T0134	The Determination of Efficient Superfinishing Conditions for The Mirror Surface Finishing of Titanium J. S. Kim, Y. G. Jung, J. D. Hwang and O. C. Shin
T0176	Effect of Pressure on Structure and Properties of Lost Foam Casting of Al-11Si Cast Alloy Aliasghar Niakan, M.H. Idris, Majid Karimian and A. Ourdjini
T0180	A new solution seed for job shop scheduling problem Parviz Fattahi, Mojdeh Shirazi Manesh and Abdolreza Roshani
T0181	Optimization of highly non-linear simulation functions using improved Adaptive Response Surface Methodology Mojdeh Shirazi Manesh, Seyed Mohammadali Motavallian and Parviz Fattahi
T0270	Sequencing mixed-model assembly line under a JIT-approach Neda Beitollahi Tavakoli and Parviz Fattahi
T0186	Near Time Optimal Path Control of Kinematically Redundant Manipulators with Bounded Joint Velocities and Torques Mohammad Hassan Ghasemi, Navvab Kashiri, Morteza Dardel and Mohammad Hadi Pashaei
T0198	Effects of Aeroelastic Nonlinearity on Flutter and Limit Cycle Oscillations of High-Aspect-Ratio Wings Keivan Eskandary, Morteza Dardel, Mohammad Hadi Pashaei and Abdol Majid Kani
T0187	Effect of Abrasive Flow Rate in Milling with Abrasive Water Jet Vijay Kumar Pal and Puneet Tandon
T0188	APPLICATION OF LEAN TOOL (VALUE STREAM MAPPING) IN MINIMISATION OF THE NON-VALUE ADDED WASTE (A Case Study of Tractor Industry) Er.Paramdeep Singh and Dr.Harpuneet Singh
T0189	Generalized Coordinate Transformation for Lattice Boltzmann Equation Using TTM Structured Grid Generation Mostafa Varmazyar and Majid Bazargan
T0190	Introduction of a novel and powerful optimization method using genetic algorithm and finite element method Payam Karimi, Shahin Shadlou and Bahare Nazari
T0191	A New Approach for Simulation of Annular Two-Phase Flow Considering The Four Involved Mass Transfer Mechanisms (Analytical concept) Z. Baniamerian, C. Aghanajafi and R.Mehdipour
T0192	Developing the Proper Form of Objective Function to be Applied in Gradient Optimization Technique for Designing Continuous Radiation Ovens Ramin Mehdipour, Ali Ashrafizadeh, Cyrus aghanajafi and Zahra Baniamerian,

Morning, Feb. 28, 2010 (Monday)

SESSION – 9 (MIMT) – Mechanical, Industrial, and Manufacturing Technologies

Venue: Conference Room 2

Session Chair: Zujun Hou

Time: 8:30—10:10

T0197	Numerical Analysis Supersonic Cavity Unsteady Flow LIU Ou-zi and CAI Jin-sheng
T0198	Effects of Aeroelastic Nonlinearity on Flutter and Limit Cycle Oscillations of

	High-Aspect-Ratio Wings Keivan Eskandary, Morteza Dardel, Mohammad Hadi Pashaei, Abdol Majid Kani
T0203	The use of laser scanning technology to improve the design process Ercihan Kiraci, Dr. Alex Attridge and Dr. Mark. A. Williams
T0210	Virtual Collaborative R&D Teams in Malaysia Manufacturing SMEs Nader Ale Ebrahim, Shamsuddin Ahmed, Salwa Hanim Abdul Rashid, M. A. Wazed and Zahari Taha
T0211	Preliminary Investigation on Atmospheric-Induced Stress Corrosion Cracking of British Intermediate Level Nuclear Waste Containers: Residual Stress Analysis and Four Point Bend Exposure Test Yin Jin Janin, Stuart Lyon, John Wintle, Briony Holmes and Chi-Ming Lee
T0213	Thermoelastic damping in clamped-clamped annular microplate N. Ale Ali and A. Karami Mohammadi
T0214	Effect of vanadium contaminated fuel on bond coat and bond coat/top coat interface of thermal barrier coatings Adeel Khalid, Zuhair M. Gasem
T0223	More Reliable Lifetime Distribution of System: A New Statistical Heuristic Model with Numeric Case Study Mojtaba Mahdavi and Mohamad Mahdavi
T0226	A FRAMEWORK FOR IMPLEMENTING LEAN MANUFACTURING SYSTEM IN SMALL AND MEDIUM ENTERPRISES Jirapat Wanitwattanakosol and Apichat Sopadang
T0230	Crake effect on the dynamic characteristics of elastically coupled beams Samer A. M. Al-Said
T0241	Integrating EIS and Wavelet Multi-resolution Analysis; Part 1: Enhancing Monitoring of Nonconductive Coatings A.M. Gaouda, A.M. Abdrabou, O.A. Abuzeid and Farag K. Omar
T0242	Integrating EIS and Wavelet Multi-resolution Analysis; Part 2: Modeling Nonconductive Coatings A.M. Gaouda, A.M. Abdrabou, O.A. Abuzeid and Farag K. Omar
T0244	Viability of Lean Manufacturing Tools and Techniques in the Apparel industry in Sri Lanka S.K.P.N. Silva, S.K.P.N. Silva, H.S.C. Perera and G.D. Samarasinghe
T0246	Fluidization of Geldart Type-D Particles in a Swirling Fluidized Bed Mohd Faizal Mohideen, Suzairin Md Seri and Vijay R. Raghavan
T0251	The Effects of Fuel Injection Angle and Injection Velocity on Propulsive Droplets Sizing in a Duct Mohammad Mahdi Doustdar and Mohammad Mojtahedpoor
T0256	Study on the thermal characteristics of heat pipes with water-based MWCNT nanofluids Hyo Jun Ha, Ji Hun Park and Seok Pil Jang
T0257	Flow characteristics of nanofluids according to nanoparticles shape Kyo Sik Hwang, Hyun Kyo Shin, Il Kwon Baek and Seok Pil Jang
T0287	Total Quality Cost Reduction in Head Stack Assembling Wari Dansakuncharoenkit, Damrong Thawesaengskulthai

10:10 - 10:20

Coffee Break

Morning, Feb. 28, 2010 (Monday)

SESSION – 10 (ICSAP) – Signal Acquisition and Processing

Venue: Conference Room 2

Session Chair:

Time: 10:20—12:00

P10020	DAUBECHIES WAVELET BASED COMPRESSION AND DENOISING TECHNIQUES FOR BIOMETRIC IMAGES Anil kishore
P10021	EVALUATION OF SCALABILITY ISSUE OF 802.15.4 MAC FOR BODY AREA NETWORKS Pradnya H. Ghare
P10022	A Surveillance System for Hidden Object Location Yin Thu Win
P101	Impedance Matching in Multi-Layer Interconnect Structures to Minimize Signal Reflections in High Speed Applications M.S. Bhat
P106	A New Modified PBS_LMS Algorithm Used in Parallel Structure Reza Seifi Majdar
P107	Fourth-order Gauss Curvature Driven Diffusion for Image Denoising Santhosh George
P108	PERSIAN VEHICLE LICENSE PLATE RECOGNITION USING MULTICLASS ADABOOST Mohammad Mahdi Dehshibi
P118	Molecular Hyperspectral Imaging System for Medical Diagnostic Applications Qingli Li
P121	A comparative evaluation of level set algorithms with applications for the segmentation of narrow-leaf plant images Mahmood Golzarian
P129	A comparative evaluation of level set algorithms with applications for the segmentation of narrow-leaf plant images Mahmood Golzarian
P142	High Order LPC Smoothed Spectra for Speech Enhancement Jinhai Cai
P123	A Correlation Based Sensor Fusion Method for Multi-Channel Seismic Network Mussab Zubair
P124	A HIGH SPEED AND LOW POWER IMAGE ENCRYPTION WITH 128-BIT AES ALGORITHM Ali farmani
P125	A handheld electronic patient record using a new UML component-based architecture Jia-Ren Chang Chien
P127	MIMO Beamforming in the Cognitive Radio System Satit Puranachaikereee
P334	A Novel Approach for Seizure Detection using Time Frequency Distributions and Linear Discrimination Analysis Mohamed Deriche
P335	A Hybrid RFID-ALPR System for Vehicle Access Control with Application to Pilgrimage Season in Saudi Arabia Mohamed Deriche

Morning, Feb. 28, 2010 (Monday)

SESSION – 11 (ICSAP) –Signal Acquisition and Processing

Venue: Conference Room 3 Session Chair:

Time: 8:30 – 10:10

P132	The Inverter Testing System of Asynchronous Motor Based on Modbus Communication Wenlun Cao
P173	The Design of Realization of PMSM Speed Control Software Based on CAN Bus Wenlun Cao
P133	An FPGA Based Architecture for Moving Target Indication (MTI) Processing Using IIR filters Sohaib Sajid
P137	Wirelength Reduction Using Evolutionary Algorithms in Physical Design I. Hameem Shanavas
P143	An efficient adaptive encryption algorithm for digital images Shashank Shekhar
P145	Reduced Complexity QRM-MLD for MIMO System Taemin Lim
P146	Hybrid Signal Detection Method using MMSE and RC-QRM-MLD for Spatially Multiplexed MIMO Systems Rakhun Choi
P147	A Novel Discrete Wavelet Domain Error-Based Image Quality Metric with Enhanced Perceptual Performance Soroosh Rezazadeh
P149	A low power, fully differential bulk driven OTA in 180 nm CMOS Technology Rekha S
P150	A Verilog Model of Adaptable Traffic Control System using Mealy State Machines Abdul Aziz
P151	Study and Analysis of ECG Signal Using MATLAB & LABVIEW as Effective Tools Md. Kafiul Islam
P152	A Novel Detachable Drug Delivery Capsule for GI Tract Haibin Wang
P153	Energy-Efficient Clustered Wireless Sensor Networks using Arithmetic Coding Tossaporn Srisooksai
P156	Overlay Text Detection and Recognition for Soccer Game Indexing Jaturon Ngernplubpla
P160	A Source Localization Based on Signal Attenuation and Time Delay Estimation in Sensor Networks Hamidreza Aghasi
P161	Background signal estimation of TFT-LCD using Multi-weighted Morphology Pairs. GUN-HEE CHUNG
P162	A Novel Defect Detection Method for TFT-LCD Image using Multi-level Threshold and Probability Density Function Gyu-chul, Lee

10:10 - 10:20

Coffee Break

Morning, Feb. 28, 2010 (Monday)

SESSION – 12 (ICSAP) – Signal Acquisition and Processing

Venue: Conference Room3

Session Chair:

Time: 10:20—12:00

P164	GPU-Based Parallel Imaging System for SAR
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	Pengfei Bao
P165	Compensation for FWM in DPSK Transmission by reducing detectors with Coherent Detection through Digital Signal Processing Jing Liang
P20001	Channel Coding Role in OFDM Performance Development Nima Mosalanejad
P20008	Time domain and frequency spectrum analysis of sound signal for drill wear detection Hamed Rafezi
P20021	Image Steganography based on Dual Tree Complex Wavelet Transform SUSHIL KUMAR
P20023	Visual processing in the context of cognitive flexibility Mili Mary Mathew
P20024	A New Probability Density Modeling for HMM-based Speech Recognition Bagher BabaAli
P176	The t-mixture Model Approach for Radar HRRP Target Recognition Caiyun Wang
P177	Performance of Using RLE for PAPR Reduction in OFDM System Filbert H. Juwono
P179	A comparative study of Similarity metrics for Similar scene detection among images Brhmadesam Sateesh
P263	Image Enhancement Approach based on Multiscale Retinex Theory Brhmadesam Sateesh
P181	Comparison of LULU and Median Filter for Image Denoising Roushanak Rahmat
P182	A Novel Approach based on CVQ Technique for Face Recognition Alireza Khalilian
P183	A Novel Compensation Algorithm of ISAR Imaging for Target with Rotating Parts Su Shao-ying
P187	EARLY DETECTION OF BRAIN BLACKOUT RAKESH VIJAYAKUMAR
P196	An Investigation On Speech Perception Over Coarticulation Trung-Nghia Phung
P200	An Efficient and Secure Approach to Multi-User Image Steganography Using CRC-Based CDMA Hamed Sheidaeian

12:00 - 13:00

Lunch Break

Afternoon, Feb. 28, 2011 (Monday)

SESSION – 13(MIMT) – Mechanical, Industrial, and Manufacturing Technologies

Venue: Conference Room 1

Session Chair:

Time: 13:00—15:30

T0250	Optimal Actuators Locations in Smart Fibre Reinforced Polymer Structures Using Genetic Algorithm Debabrata Chakraborty, Pawan Kumar Rathore and Tarapada Roy
T0216	Absorption and Evaporation Mass Transfer Simulation of a Droplet by Finite Volume Method and SIMPLEC algorithm S. Torfi and S. M. Hosseini Nejad
T0303	Bit Run Optimization through Simulation: A Case Study

	E. Novieri, S. Torfi
T0260	The Effect of Pre-ageing on the Mechanical Properties of AA6061 Sheet Products Bahman Mirzakhani and Mostafa Mansourinejad
T0261	Kinematic Analysis of a Dexterous Hand B.B.Biswal, P.K.Parida and K.C.Pati
T0265	Influence of Thermal Simulated and Real Tandem Submerged Arc Welding Process on the Microstructure and Mechanical Properties of the Coarse Grained Heat Affected Zone Sadegh Moeini Far
T0269	Free vibration analysis of a fiber reinforced mindlin plate by using ritz method SH. Hosseini Hashemi and S. Fazeli
T0272	On The Nörlund Method of Signal Processing Involving Coifman Wavelets Sarjoo Prasad Yadav, Rakesh Kumar Yadav and Dinesh Kumar Yadav
T0280	Application of statistical process control tools to improve product quality in manufacturing processes Omar Bataineh and Abdullah Al-dwairi
T0284	Instantaneous and Time-Averaged Flow Structure around two Heated Square Cylinders in the Laminar Flow Regime Amin Etminan and Abazar Barzegar
T0296	Overall Maintenance Time reduction by optimizing the distance of Service center in manufacturing unit through Single Facility Location Planning Manish Vishwakarma, V.K.Khare
T0297	Characteristics of Lean and Stoichiometric Combustion of Compressed Natural Gas in a Direct Injection Engine Raja Shahzad, Naveenchandran P and A Rashid A Aziz
T0298	Tip over stability analysis of a three-wheeled mobile robot capable of traversing uneven terrains without slip Tharakeshwar Appala and Ashitava Ghosal
T0299	Extraction Method of Version Number in Engineering Drawing Mohd. Fahmi Mohamad Amran, Riza Sulaiman, Suziyanti Marjudi, Saliyah Kahar and Zuraidy Adnan
T0300	Hybrid System Model Simulation Framework for Cyber-Physical Systems Soo Young Moon, Hyuk Park, Tae Ho Cho and Won Tae Kim
T0301	Effects of different liquid properties on the characteristics of impact-generated high-speed liquid jets Anirut Matthujak, Chaidet Kasamnimitporn, Wuttichai Sittiwong and Kulachate Pianthong
T0302	An Investigation of Lean Implementation Status in Thai Manufacturing Jiraporn Pradabwong, Nantawut Sriariyawat and Chivalai Temiyasathit
T0309	Design of a New Biomimic Flow Pump using SMA Actuators K.V.S.S.D. Prasanth and M. Sreekumar
T10000	The investigation of electret film durability in polyethylene terephthalate (PET) from a certain angle of their application as pressure sensors Ewa Klimiec, Wiesław Zaraska, Szymon Kuczyński, Monika Machnik
T10001	Micropower generators and sensors based on piezoelectric polypropylene PP and polyvinylidene fluoride PVDF films - energy harvesting from walking Ewa Klimiec, Krzysztof Zaraska, Wiesław Zaraska, Szymon Kuczyński

15:30 - 15:40

Coffee Break

Afternoon, Feb. 28, 2011 (Monday)

SESSION – 14(MIMT) – Mechanical, Industrial, and Manufacturing Technologies

Venue: Conference Room 1

Session Chair:

Time: 15:40—18:10

T10003	Temperature field of repetitive laser pulse irradiation and its effect on laser surface hardening Aniruddha Gupta, Ashish Kumar Nath
T10007	A new optical technique for surface roughness measurement of TiO ₂ thin films Chil-Chyuan Kuo and Yi- Ruei Chen
T10008	Technical development on rapid green silicone rubber mold Chil-Chyuan Kuo, Zhi-Yang Lin and Wang-Lin Tsai
T10015	Transfer of Lean Manufacturing to China – Lessons from two German-Chinese production plants Marc Bollbach
T10020	Developing Capability –Based Virtual Cellular Manufacturing Systems and Comparison with Capability –Based Classical Cellular Manufacturing Systems Maryam Hamed, Gholamreza Esmaeilian and Napsiah bt Ismail
T10021	Influence of Background Color on Visual Inspector Performance In 3-Dimension Simulation Model A. Watanapa, S. Kaewkuekool and S. Suksakulchai
T10029	Systematic layout Planning to Assist Plant Layout: Case study Pulley factory Anucha Watanapa and Wisitsree Wiyaratn
T13004	Influence of Training with and without reward on visual inspector's performance in 3 dimension model A. Watanapa, S. Kaewkuekool and S. Suksakulchai
T10025	A Digital System Implement for Aircraft Sheet Metal Cutting Lai Changliang, Liu Chuang and Zhang Xianjie
T10028	The Study of Lean Layout in an Automotive Parts Manufacturer M. Mat Salleh, M.Z.M. Zain
T10030	Performance Evaluation of Quality Drying in a Natural Convection Grain Dryer S. S. Mohapatra and P. Mahanta
T10031	A study of relationship between competency program and Mold & Die occupation S. Thong-u-thai and S. Kaewkuekool
T10033	Performance evaluation of PCD 1300 and 1500 Grade inserts on turning A356 alloy with 20% reinforcement of SiC particles K.Kaarmuhilan, S.Karthika and N.Muthu Krishnan
T10034	Prediction of Weld Bead Dilution in GMAW Process using Fuzzy Logic Masood Aghakhani, Maziar Mahdipour Jalilian and Alimohammad Karami
T12021	Modeling of Weld Dilution in Gas Metal Arc Welding Process using Taguchi's Design of Experiments Masood Aghakhani, Ehsan Mehrdad, Ehsan Hayati, Maziar Mahdipour Jalilian, Arash Karbasiyan
T12027	Optimization of GMAW Process using Imperialist Competitive Algorithm Masood Aghakhani, Maziar Mahdipour Jalilian, Alimohammad Karami and Mahyar Mahdipour Jalilian
T10039	Dual Fuel Performance Studies of a Small Diesel Engine Using Green Fuels Bibhuti B. Sahoo, Niranjan Sahoo and Ujjwal K. Saha
T10040	A hybrid GA-SA algorithm for multi-objective sequencing problem in high-product mix shop-floor

	A.Norozi, M.K.A.Ariffin, N. Ismail and F.Mustapha
T10043	Investigation of Process Capability of a Reaming Operation using Statistical Tools Astha Kukreja, Abhishek Monga, Pradeep Khanna
T10044	Statistical Modeling Approach for Optimization of a Stationary Hook Hopper Astha Kukreja, Pankaj Chopra, Akshay Aggarwal and Pradeep Khanna

Afternoon Feb 28, 2011 (Monday)

SESSION – 15(MIMT) – Mechanical, Industrial, and Manufacturing Technologies

Venue: Conference Room 2

Session Chair:

Time: 13:00—15:30

T10045	Computational Fluid Dynamic Analysis for Modified Steam Duct in Air Cooled Condenser Fatemehsadat Salehi and Ramin Haghighi Khoshkhoo
T10046	Simultaneous Optimization of Multiple Quality Characteristics in Electrical Discharge Diamond Cut-off Grinding (EDDCG) S. K. S. Yadav, Vinod Yadava
T0109	Designing a multi echelon flexible logistics network using co-evolutionary immune-particle swarm optimization with penetrated hyper-mutation (COIPSO-PHM) N. C. Hiremath, Sadananda Sahu and Manoj Kumar Tiwari
T10050	Analysis of process parameters of plasma arc cutting of stainless steel using Taguchi method K P Maity, Vivek Singh and Sachin Bhartiya
T10052	FEM Modeling of Beams Cyclic Loading Based on Ziegler-Prager and Armstrong-Frederick Kinematic Hardening Models Ehsan Hashemi, Mani Sharifi and Behrooz Farshi
T10055	Natural convection in a Porous Medium Rectangular Cavity with an applied Vertical Magnetic Field Using Lattice Boltzmann Method Hamid Reza Ashorynejad, Mousa Farhadi, Kurosh Sedighi and Arman Hasanpour
T10058	Study of the parameters in electro-discharge diamond face grinding through response surface methodology approach Gyanendra Kumar Singh, Vinod Yadava and Raghuvir Kumar
T12000	Planar maximal covering location problem with inclined ellipses Hadi Charkhgard and Mohammad R. Akbari Jokar
T12003	Phosphoric Acid Effect on Prepared Activated Carbon from Saudi Arabia's Date Frond Waste Abdul Rahim Yacob and Hassan M Al Swaidan
T12004	The effect of H ₂ S on hydrogen and carbon black production from sour natural gas Mostafa Tazimi, S. Mohammad Javadi and S. Sobhan Nabavi
T12010	Minimizing the Number of Tardy Jobs in Flow Shop Sequence Dependent Setup Times Scheduling Problem Mohsen Varmazyar and Nasser Salmasi
T12011	The Selection, Designing and Analysis of Heavy Duty Tractor Gearbox (ITM8200) Mohammad Reza Kamandar
T12016	Capability of Advanced Abrasive Waterjet Machining and its Applications M.C. Kong and D.A. Axinte
T12017	Performance evaluation of Manganese Phosphate Coated HSS (High Speed Steel) on turning M1A Magnesium Alloy

	A.Nelson Nishanth, Karthik Narasimhan, T.R.Adhithya Sethupathy and N.Muthukrishnan
T12019	A New Mathematical Model toward Project Selection- A Case Study Hamed Rafiei, Farzad Radmehr and Masoud Rabbani
T12020	A New Fuzzy Approach for Minimizing Conveyer Stoppages in Mixed-Model Assembly Lines Farzad Radmehr, Neda Manavizadeh, Hamed Rafiei, Masoud Rabbani
T12024	Utilization of advanced manufacturing technologies in an Indian manufacturing enterprise Harwinder Singh and J S Khamba
T12025	Failure Mode and Effect Analysis of a Thermal Power Plant for Enhancing its Reliability N.S.Bhangu, Rupinder Singh and G.L.Pahuja
T12031	Performance measurement and data analysis of material removal rate for wire cut electro discharge machining process Vishal Parashar, A.Rehman, J.L.Bhagoria
T12044	A STUDY OF BASIC ALUMINIZED PROPELLANTS CHARACTERISTICS Amir Aziz and Wan Khairuddin Wan Ali

15:30 - 15:40	Coffee Break
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Afternoon, Feb. 28, 2011 (Monday)

SESSION – 16(MIMT) – Mechanical, Industrial, and Manufacturing Technologies

Venue: Conference Room 2

Session Chair:

Time: 15:40—18:10

T12047	PLC Based POKE-YOKE System for Output Shaft Assembly Ms. K.R. Ghadge and Prof. P.P. Mone
T12049	Effect of Abrasive Medium ingredients on finishing of Al alloy and Al alloy/SiC Metal Matrix Composites using Rotational Abrasive Flow Finishing M. Ravi Sankar, V. K. Jain, J. Ramkumar
T12051	A new knowledge representation and processing method of radar fault diagnosis Shuxing Du, Wenjing Hu and Baomi Li
T12052	OPTIMIZATION OF ALKALINE ACTIVATOR/FLY ASH RATIO ON THE COMPRESSIVE STRENGTH OF MANUFACTURING FLY ASH-BASED GEOPOLYMER A. M. Mustafa Al Bakri, H. Kamarudin, Omar A.K.A Karem, C.M. Ruzaidi , A.R. Rafiza and M.N. Norazian
T13005	Numerical Investigation of Formation and Development of In-cylinder Rotational Flow in a Spark Ignition Engine M.Yousefi, F.Ommi and M.Farajpour
T13009	Application of fuzzy rule-based model to predict TiAlN coatings roughness Abdul Syukor Mohamad Jaya, Mohd Razali Muhamad, Md. Nizam Abd Rahman and Siti Zaiton Mohd Hashim
T13011	Towards lean factory- combining lean thinking with promising manufacturing method. A case of Finnish boating industry. Mikael Ehrs, Anna Rymaszewska and Janne Pekkala
T13018	THE COMBINE EFFECT OF COPPER AND NICKEL ON TENSILE STRENGTH OF DUCTILE IRON M. Ashraf Sheikh

T13024	A Computational Investigation of Thermal Effects on Resin Coating Flows in an Optical Fiber Drawing System Kyoungjin Kim, Ho Sang Kwak and Jin Su Choi
T13025	Preparation of Amorphous Silicon Oxide Nanowires by the Thermal Heating of Ni or Au-coated Si substrates Jong Keun Ha, Kwon Koo Cho
T14000	Direct Metal Deposition of Stainless Steel Wire using Metal Inert Gas as Heat Source for Repair Purposes Nur Izan Syahriah Hussein, Mohd Seiful Ezuan Sayuti and Mohamad Nizam Ayof
T14001	The effects of parameter settings on the performance of Genetic Algorithm through experimental design and statistical analysis Farhad Kolahan and Marziyeh Hassani Doughabadi
T14003	Multi objective optimization of turning process using Grey Relational Analysis and Simulated Annealing Algorithm Farhad Kolahan, Reza Golmezerji and Masoud Azadi Moghaddam
T14012	Lateral-Directional Aerodynamics of a Canard Guided Spin Stabilized Projectile at Supersonic Velocity Ji Xiuling, Wang Haipeng, Zeng Shiming, Jia Chenyang
T14020	Numerical Study on Plasma-Based Control of Flow over a Square Cylinder Dongjoo Kim and Jungwoo Kim
T14024	CUBIC-INTERPOLATED-PSEUDO-PARTICLE METHOD TO PREDICT DYNAMIC BEHAVIOUR OF FLUID IN SHEAR DRIVEN CAVITY S.M.R.Attarzadeh, C.S. Nor Azwadi and F. Haghbin
T14027	Enhanced sensitivity of microcantilever surface stress sensor P. Heydari and A.Shokuhfar
T14028	Numerical Analysis on Impact Behavior of Composite Sandwich Plates as Energy Harvesting Structures S. Khalili, S.M.R. Khalili, M. Amidpour
T14032	The effect of quenching in polymer and addition of 0.1% Zr on properties of Al-5.6% Zn-2.5%Mg-1.6%Cu alloy Dr. Jassim Mohammed Salman, Dr. Khadim F. Al-Sultani and Shymaa Abbas Abedulsada
T14035	Increasing the Image Contrast of Atomic Force Microscope by Using Improved Rectangular Micro Cantilever Ali Sadeghi

Afternoon, Feb. 28, 2011 (Monday)

SESSION – 17 (ICSAP) – Signal Acquisition and Processing

Venue: Conference Room 3

Session Chair:

Time: 13:00—15:30

P203	A Study on Improved Automatic Flower Boundary Detection Mei-Yan Jin
P204	Two hand gesture recognition using stereo camera Rustam Rakhimov
P209	Heart Sound Classification Using State-Based HMM and Murmur Scores Chul Kwak
P216	Design Framework of Collision Avoidance and Energy Efficient MAC for MWSN Getsy S Sara
P217	A Novle Sparse Kernel Density Estimation Method Based on Kullback-Leibler

	Divergence Min Han
P227	GTD-Based 2D State-Space Method and its Application to Recover Shape from Range Signals Wei Shaoming
P228	A Cyclic Prefix based Extended QRD-RLS Algorithm using Block Householder Transformation for Adaptive Channel Estimation in Multicarrier Systems Hassan Ali
P231	Bi-static Inverse Synthetic Aperture Radar Imaging for Space Objects Xiongjun Fu
P232	SIFT Features Using Vector Quantization histogram for Image Retrieval Qiu Chen
P233	Face Recognition Algorithm Based on Adjacent Pixel Intensity Difference Quantization in Rectangular Coordinate Plane Feifei Lee
P234	Comparative Analysis And Implementation of Efficient Digital Image Watermarking Schemes M.Ali Qureshi
P235	Evaluation of ZigBee based Wireless Sensor Network with Static Sink and Random Sink Mobility M.Ali Qureshi
P236	A Novel Robust Fingerprint Identification System based on Hierarchical Indexing Rahul Goyal
P244	Intelligent Learning Algorithm of Power Project Cost Data Based on SVM Peng Guangjin
P248	Improved Windowed Cross Wigner-Ville Distribution for PSK Class Signals Chee Yen Mei
P30004	A Physically-informed Method for Signal Enhancement based on a Model for Long-term Instability Shahriar Jamasb
P30009	Electronically Operated Anti-Snoring Pillow Aanchal M Moolchandani
P30011	A Comparison of DWT and Contourlet Transform on Satellite Image Contrast Enhancement Technique K. Hepsibah Persis
P30014	EEG BASED AUTOMATIC ANESTHESIA INJECTOR SARANGA RAJAN RAJAGOPAL
P30017	Brain Tumor Boundary Detection in MRI Image Using Active Contours and Morphology Filters Rasool Baghbani Khezerloo
P30019	Zigbee-based wireless ultrasonic level sensor networks with solar-powered system Chen Xianzhong

15:30 - 15:40

Coffee Break

Afternoon, Feb. 28, 2011 (Monday)

SESSION – 18(ICSAP) – Signal Acquisition and Processing

Venue: Conference Room3

Session Chair:

Time: 15:40—18:10

P30021	Mitigating Misbehaving Node Using Receiver Network Allocation Vector R. Kalaiarasi
P30022	Torsional Vibration Monitoring Platform for Turbine Generator Based on Virtual Instrument Technology CHANG Guang
P30027	Checking Reliability Of Component And Testing Time Allocation Based On Architecture Approach B.Anni Princy
P30028	A Novel Design of Low Timing Mismatches Clock Module for 8-Channel 4 Gasps TIADC System Yuexian ZOU
P30035	INFORMATION FUSION BY MULTI MATCHER FOR 3D FACE RECOGNITION Mohamed Anouar BORGI
P256	An Adaptive Anisotropic Algorithm on SAR Image Denoising Miao Hui
P262	The Novel Proportinate Normalized Subband Adaptive Filter Algorithms for Sparse System Identification Mohammad Shams Esfand Abadi
P270	An Image Interpolation-based Approach to the Detection of Small Moving Target He Deng
P271	Hierarchical Quadrature Amplitude Modulation for Image Transmission over Erroneous Wireless Channels Farid Ghani
P274	Transition and Rotation Compensation in Super Matrix Fingerprint Verification Systems Mehrdad Zobeiri
P277	Local Route Repairing for Inter-piconet Communication in Bluetooth Scatternet Sheikh Tahir Bakhsh
P315	VLSI Architecture Design of MDCT-Based Psychoacoustic Model for MPEG 2/4 AAC Encoder Yu-Jie Sha
P318	A Simple Anomaly Detection for Spectral Image Using Co-occurrence Statistics Techniques Kitti Koonsanit
P320	A Fast Algorithm for Detecting, Labeling and Tracking Volleyball Players in Sport Videos Hananeh Salehifar
P326	Sleep/Wake Scheduling Scheme for Minimizing End-to-end Delay in Multi-hop Wireless Sensor Network Babar Nazir
P336	Cramér-Rao lower bound Analysis for Many-to-One UAV Tracking Using FDOA Measurements Byoung Yoon Min
P40004	Secure Genetic based Image Steganography System in Frequency Domain Zahra Moghaddasi
P40008	A New method for Image Segmentation in Heart Vessels Ultrasound using Wavelet Transform Ayyoob Jafari

P40013	A Cheap Visual Inspection System for Measuring Dimensions of Brass Gear Mehdi Jalili
P40015	Self organizing map approach for improvement of BER performance of OFDM receiver Shubhangi Rathkanthiwar
P40029	ELECTRO MAGNETIC INTERFERENCE NOISE SEPERATION FOR POWER SUPPLIES R.Dhanasekaran

Instructions for Oral Presentations

Devices Provided by the Conference Organizer:

Laptops (with MS-Office & Adobe Reader)

Projectors & Screen

Laser Sticks

Materials Provided by the Presenters:

PowerPoint or PDF files

Duration of each Presentation (Tentatively):

Regular Oral Session: about 15 Minutes of Presentation 5 Minutes of Q&A

Keynote Speech: 45 Minutes of Presentation 5 Minutes of Q&A



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Hotel Royal is strategically located right in the heart of Singapore's most exclusive district and is only minutes away from the renowned shopping and entertainment haven of Orchard Road. The Novena MRT Station is within 8 minutes walking distance from the hotel. Public transport such as taxis & buses are also easily available from the hotel's main entrance to bring guests to all parts of Singapore.

Guests staying in the hotel's newly refurbished 331 spacious deluxe rooms and suites will enjoy 'Every Room A Home' feeling as all the rooms & suites are comfortably furnished with shades of beige curtains and bedspreads to blend with a contemporary colored wallpaper to enhance the cosiness of the rooms. Our rooms are among the most spacious in Singapore.

For guests' convenience & entertainment, we have added a wireless broadband internet access facility and also additional satellite and cable TV channels linked to all guest rooms & suites, apart from the hotel's present 24 hours in-house movie channels.

The hotel's 24 hours Trishaw Coffeehouse offers mouth-watering local delicacies and irresistible desserts. Room service is also available 24 hours. Weekend Hi-Tea buffet is very well accepted by local & foreign guests. Other food & beverage dining offers daily lunch & dinner steamboat buffet and is a fabulous place to dine in comfort, whilst the Japanese restaurant Kandagawa (level 3), is well-appreciated for authentic Japanese cuisine & decor in the restaurant.

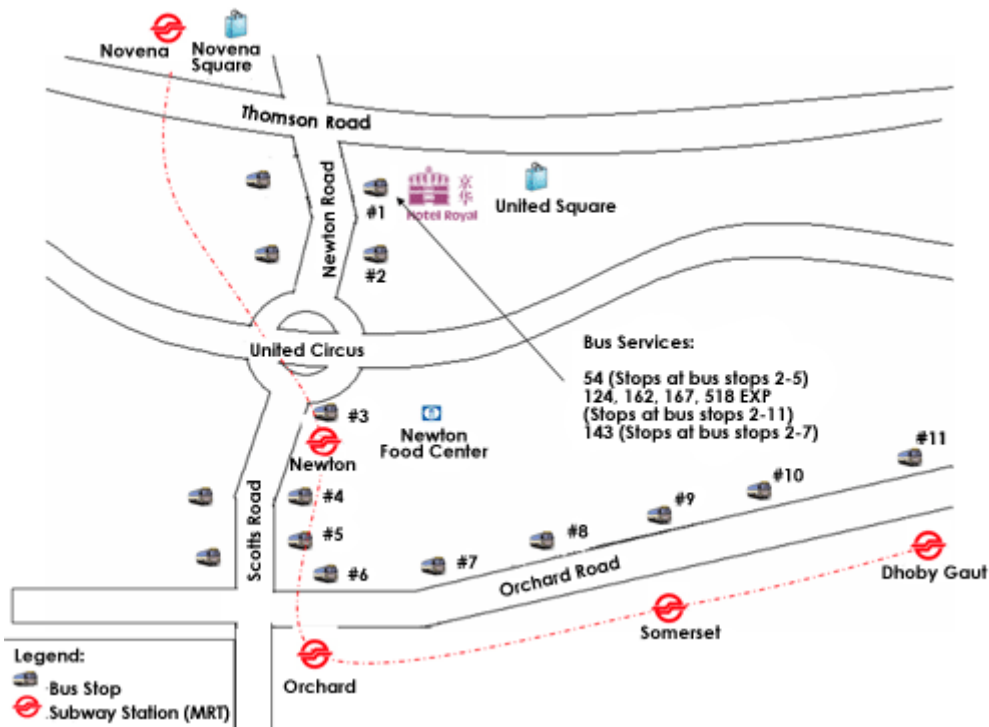
Drinking Holes - The Aurora Club (level 16), Link Pub (3rd), Superstar KTV (level 2) and the Popular VIP lounge in the lobby are wonderful places to be entertained, unwind and to enjoy a drink or two with friends, colleagues and business associates.

Various seminar packages are available and the conference & seminar rooms are well equipped to cater both large and small groups, be it meetings/ seminars or just fun-going parties.

The latest added facilities are an in-house Gym for the health-conscious and also a Self-Laundrette & Ironing Room for guests who prefers to do their own laundry whilst staying in the hotel.

Please come by to Hotel Royal and experience the Traditional Royal Service that we offer.

Location Map



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Alight at the Novena MRT station and proceed to exit towards Thomson Road. Hotel Royal is only 8 minutes walking distance from the Novena MRT station.

By Public Bus

Public Bus numbers:-

SBS 54, 124, 143, 162, 167 & 518 will stop at the bus stop just in front of Hotel Royal. Please refer to map on the right side of page for bus routes.

Hotel Senior Sales Manager

Benjamin Lim

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