
2012 IACSIT SINGAPORE CONFERENCES SCHEDULE

**2012 2nd International Conference on Key Engineering Materials
(ICKEM 2012)**

**2012 International Conference on Manufacturing and Industrial
Engineering
(ICMIE 2012)**

**2012 International Conference on Information and Computer Networks
(ICICN 2012)**

Peninsula Excelsior Hotel, Singapore

February 26-28, 2012

Co-Sponsored by



University of Malaya



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SIMPLE VERSION OF THE SCHEDULE

Feb.26

- Only for Registration
- (10:00AM-17:00PM)
- Lobby of Peninsula Excelsior Hotel, Singapore

Feb.27

- Keynote Speech(9:00AM-11:30AM, Tulip Room)
- Oral Presentation(13:10PM-18:00PM,Tulip Room,Lotus Room and Lilac Room)

Feb.28

- Oral Presentation(8:30AM-12:00AM,Tulip Room,Lotus Room and Lilac Room)
- Oral Presentation(13:10PM-18:00PM,Tulip Room,Lotus Room and Lilac Room)

Registration Only: February 26, 2012 (Sunday)

Registration Location: Peninsula Excelsior Hotel, Singapore



10:00 – 12:30 13:30 - 17:00	Arrival and Registration
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Note:

- (1) You can also register at any working 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.
- (4) Plz get the notification for your paper printed out and it is required when you register on desk.

Conference: Morning, February 27, 2012 (Monday)

Venue: Tulip Room, Peninsula Excelsior Hotel

9:00-09:20	Opening Remarks Professor (Dr.) K. M. Gupta
9:20-10:00	Keynote Speech 1  Professor (Dr.) K. M. Gupta Motilal Nehru National Institute of Technology Allahabad, India
10:00-10:10	Coffee Break
10:10– 10:50	Keynote Speech 2  Professor. Kun-Li Wang National Taipei University of Technologies, Taiwan Speech Title: Resistive Polymer Memory Materials Containing Electron Donor and Acceptor Moieties

10:50- 11:30	<p style="text-align: center;">Keynote Speech 3</p>  <p style="text-align: center;">Professor. Maria Mucha Technical University of Łódź, Poland Speech Title: Novel Technique of Polymer Composite Preparation for Bone Implants</p>
11:30-11:40	Group Photo Session

11:40 - 13:10	Buffet Lunch
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Afternoon, Feb. 27, 2012 (Monday)

SESSION – 1 (ICKEM 2012)

Venue: Tulip Room

Time: 13:10 – 15:30

Tulip Room (ICKEM) 17papers	K2024	<p>Optimization of Synthesis of Carbon Nanotubes using Chemical Vapor Deposition Method <i>Noor Azilah Mohd Kasim, Siti Hasnawati Jamal , Shafreeza Sobri, and Nurjahirah Janudin</i> University Of Malaysia, Kuala Lumpur, Malaysia</p>
	K0120	<p>Tool Inclination Angle Change Rate Control in Five-axis Flat-end Milling <i>Gandjar Kiswanto, Vinsensius Ricko and Suntoro</i> Department of Mechanical Engineering, Universitas Indonesia Kampus Baru UI – Depok, West Java, Indonesia</p>
	K0004	<p>Effect of addition of nano silica on modulus of an acrylic/melamine automotive topcoat <i>Nargess Tahmassebi</i> Mahshahr Branch, Islamic Azad University, Mahshahr, Iran</p>
	K0005	<p>Coating Life Assessment: The Use of Adhesion Strength in Parametric Development in Coating Degradation Evaluation <i>PRAWOTO Yunan, MAT YAJID Azizi and AHMAD Zaini</i> Universiti Teknologi Malaysia, Skudai 81310 Johor, Malaysia</p>
	K0007	<p>Application of Fiberglass-Polyester Paving Mat in Engineering <i>Yi Chaojue and Zhai Pengcheng</i> Southwest Jiaotong University, China</p>
	K0008	<p>Doped Zinc-Organic Framework for Sensing of Pesticide <i>Pawan Kumar , Parveen Kumar , Akash Deep , Lalit M Bharadwaj</i> Biomolecular Electronics and Nanotechnology Division Central Scientific Instrument Organization (CSIR-CSIO), India</p>
	K0009	<p>Light Absorption and Structural Properties of TiO₂-AgCl Thin Films</p>

	Doped with Cu by Sol-Gel Process <i>Weerachai Sangchay, Lek Sikong and Kalayanee Kooptarnond</i> Prince of Songkla University, Thailand
K0010	Synthesis of Composite Materials from Natural Precursors by Self-Propagating High Temperature Synthesis Process <i>Sutham Niyomwas</i> Prince of Songkla University, Thailand
K0181	Effect of Silica Sources on Synthesis of Alumina-Mullite-Silicon Carbide Composite <i>Sutham Niyomwas</i> Prince of Songkla University, Thailand
K0012	Effect of Wood Flour Content and Cooling Rate on Properties of Rubberwood Flour/Recycled Polypropylene Composites <i>C. Homkhiew, T. Ratanawilai, W. Thongruang</i> Prince of Songkla University, Thailand
K0013	Low Velocity Impact Resistance of Hybrid Woven Glass fiber-Carbon fiber/Vinyl ester Composite Laminates <i>Zafarullah Khan</i> King Fahd University of Petroleum and Minerals, Dhahran, K.S.A
K0014	Effect of the two-step solution heat treatment on the microstructure of semisolid cast 7075 aluminum alloy <i>Saowalak Kongiang, Thawatchai Plookphol, Jessada Wannasin and Sirikul Wisutmethangoon</i> Prince of Songkla University, Hat Yai, Songkhla, Thailand
K0015	Research on the strength improvement of 7A04 aluminum alloy <i>Yi Chaojue, Zhai Pengcheng, Dong Lizhou and Fu Qihao</i> Southwest Jiaotong University, Chengdu, China
K0017	Effect of Part Size on Surface Heat Flux during Immersion Quenching <i>K. Babu</i> SSN College of Engineering, Kalavakkam, Chennai, India
K0019	Effect of Nano-Silica Loading on Barrier and Mechanical Properties of Food Packaging Based LLDPE Film <i>Sarinthip Thanakkasarnanee, Arjaree Pradittham, Duangduen Atong and Chiravoot Pechyen</i> Kasetsart University, Bangkok, Thailand
K0020	Kinetics of Thermal Degradation of Ionic Liquid Regenerated Cellulose <i>Nawshad Muhammad, Zakaria Man, M. Azmi Bustam Khalil, Sikander Rafiq</i> UniversitiTeknologi PETRONAS Bandar Seri Iskandar, Malaysia.
K0021	Comparative Study of Platinum/Single Wall Carbon Nanotube versus Platinum/Carbon Black Coating <i>Phuri Kalnaowakun, Sutham Niyomwas and Suchart Chantaramanee</i> Prince of Songkla University, Thailand

15: 30 - 15: 40

Coffee Break

Afternoon, Feb. 27, 2012 (Monday)

SESSION – 2 (ICKEM 2012)

Venue: Tulip Room

Time: 15:40 – 18:00

Tulip Room (ICKEM) 17papers	K0022	Centrifugal Atomization of Zinc Metal Powder for Friction Materials Application <i>Phairote Sungkhaphaitoon, Thawatchai Plookphol and Sirikul Wisutmethangoon</i> Prince of Songkla University, Hat Yai, Thailand
	K0025	Study of Photocatalytic Activity of TiO ₂ Nanotube Derived from Different Anodized Parameters <i>Kittirong Srimuangmak and Sutham Niyomwas</i> Prince of Songkla University, Thailand
	K0026	Strategies and Suggestions to Utilize Biomass Energy in Rural Areas of Chongqing <i>XIONG Wenqiang and YONG Gang</i> Chongqing University, Chongqing, China
	K0029	Luminous Exposures and Light-fastness Survey in Daylit Historical Museum Galleries under Tropical Sky Conditions <i>Noraini Ahmad, Sabarinah Sh Ahmad and Anuar Talib</i> Universiti Teknologi MARA, Malaysia
	K0030	Synthesis and Characterization of SnO ₂ /N – Doped TiO ₂ Nanoparticles <i>L. Sikong, H. Panritdam, J. Chungsiriporn and S. Te-chato</i> Prince of Songkla University, Thailand
	K0031	Challenges and the Way Forward for Building Materials Management in Building Adaptation Projects <i>Zarina Isnin and Sabarinah Sh Ahmad</i> Universiti Teknologi MARA, Malaysia
	K0033	Preparation of LLDPE/Modified Silica Nanoparticle with Triethoxyvinylsilane Film for Microwaveable Packaging <i>Arjaree Pradittham, Supapen Trejitwattanaku, Titima Sramanee</i> Kasetsart University, Thailand
	K0034	Preparation and Characterization of Blended Composite Membranes <i>Sikander Rafiq, Zakaria Man, Abdulhalim Maulud, Nawshad Muhammad and Saikat Maitra</i> Universiti Teknologi PETRONAS, Malaysia
	K0036	Effects of Temperature, Strain Rate and Grain Size on Superplastic behavior of Magnesium <i>Muhammad Waseem Soomro, Thomas Rainer Neitzert</i> University of Technology, Auckland, New Zealand
	K0040	Response of Modified Poly(lactic acid) to Microwave Radiation <i>Buranin Saengiet, Wasin Koosomsuan, Phassakarn Paungprasert, Rattikarn Khankrua, Sumonman Naimlang, Manus Seadan and Supakij Suttiruengwong</i> Silpakorn University, Thailand
	K0041	Effects of water as non-solvent additive on performance of polysulfone ultrafiltration membrane <i>MuhamadZainiYunos, ZawatiHarun, H. Basri and Ahmad FauziIsmail</i> Universiti Tun Hussein Onn Malaysia, Malaysia
K0043	Natural Dyeing of Wood Fibers for Green Biocomposites <i>Atiwat Wiriya-Amornchai, Nattakarn Hongsrphan and Pajeara Pattanatabutr</i> Silpakorn University, Thailand.	

K0045	Compositions and Particle Sizes of (RE)Ba ₂ Cu ₃ O _{7-x} Superconductor Powders Synthesized by the Solution Combustion Technique <i>Oratai Jongprateep, Pimsiri Tangbuppa and Nattawan Manasnilobon</i> Kasetsart University, Thailand
K0046	Synthesis of Rice Straw Cellulose Ester for Use as Biodegradable Plastic Film <i>Usarat Ratanakamnuan and Yanyong Ninsin</i> Maejo University, Thailand
K0047	Fabrication and Characterization of Porous Zirconia/Alumina Composites <i>Gholamhossein Nozary, Ghodrattollah Roudini and Ali Akbar Farashiani</i> University of Sistan and Baluchestan, Iran
K0048	Development of Bio-Rapid Prototyping System for Fabricating Bone Scaffold Using Thermal-sensitive Biopolymer <i>Yo-Yu Chen, Cho-Pei Jiang and Chang-Cheng Chen</i> No. 64, Wunhua Rd. Huwei Township, Yunlin County 632, Taiwan
K0049	Reactive blends of poly(butylene adipate-co-terephthalate) and thermoplastic starch <i>Vorawan Arunyagasemsuke, Supakij Suttiruengwong and Manus Seadan</i> Silpakorn University, Thailand

Morning, Feb. 28, 2012 (Tuesday)

SESSION – 7 (ICKEM 2012)

Venue: Tulip Room

Time: 08:30 – 10:00

K0050	Bulk crystallization of ceramic whiskers from borate-based glass <i>P. Sooksaen, S. Kannasute, K. Larbmark and C. Maneelada</i> Silpakorn University, Thailand
K0051	Properties of Compatibilized SAN/NR Blends <i>Jareenuch Rojsatean, Supakij Suttireungwong and Manus Seadan</i> Silpakorn University, , Thailand
K0052	Computer Program in Visual Basic Language for Manufacture of Helical Cutting Tools <i>Ngoc Thiem Vu, Shinn Liang Chang, Jackson Hu and Tacker Wang</i> National Formosa University, Taiwan.
K0053	Heating Effect on the Qualities of Cr-Zr-N Thin Films by Increasing in Zr Sputtering Current <i>Chirawat Chantharangsi, Somyod Denchitharoen, Surasing Chaiyakun and Pichet Limsuwan</i> King Mongkut's University of Technology, Thailand
K0054	Effect of N ₂ Flow Rate on Structure and Morphology of (Ti,Cr)N Thin Films Deposited by Unbalanced Magnetron Co-sputtering <i>Chutima Paksunchai, Somyod Denchitharoen, Surasing Chaiyakun and Pichet Limsuwan</i> King Mongkut's University of Technology, Thailand
K0058	Surface Modified CaCO ₃ Nanoparticles with Silica via Sol-Gel Process using in Poly(lactic acid) Nanocomposite <i>Bawornkit Nekhamanurak, Pajaera Patanathabutr and Nattakarn</i>

Tulip Room (ICKEM) 14papers		<i>Hongsriphan</i> Silpakorn University, Thailand
	K0060	Acoustic radiation of axisymmetric thin bodies by integral variational method <i>M.Beldi, L. Zarrouk</i> University Tunis -Tunisia
	K0062	Monoaromatic pollutant removal by carbon nanotubes from aqueous solution <i>Hamidreza Pourzamani, Bijan Bina, Mohammad Mehdi Amin and Alimorad Rashidi</i> Isfahan University of Medical Sciences, Isfahan, Iran
	K0063	Calculation of coupled modes for Vibro-acoustic problems <i>M. Beldi, Z.Lamia</i> MA2I Laboratory, University Tunis, Tunisia
	K0065	Anisotropy and Forming Characteristics of Magnesium Alloy ZE10 <i>M Waseem Soomro , R. Khan and M. Akhtar</i> NED University of Engineering & Technology, Karachi, Pakistan
	K0068	Failure Analysis of Carbon Fiber Reinforced Polymer (CFRP) Bridge Using Composite Material Failure Theories <i>Agusril, Norazman M. Nor, A. Mujahid A. Zaidi</i> University of Malaysia (NDUM), Malaysia
	K0073	Microscopy Observation on Nanocellulose from Kenaf Fibre <i>Surip S. N, Wan Jaafar W. N. R, Azmi N. N and Anwar U.M.K</i> Universiti Teknologi MARA, Malaysia
	K0076	A Cheap Synthetic Route to Commercial Ruthenium N3 Dye for Sensitizing Solar Cell Applications <i>Rukkiat Jitchati, Yuranan Thathong, and Kittiya Wongkhan</i> Center for Organic Electronic and Alternative Energy (COEA), Ubon Ratchathani University, Thailand

10: 00 - 10: 10	Coffee Break
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Morning, Feb. 28, 2012 (Tuesday)

SESSION – 8 (ICKEM 2012)

Venue: Tulip Room

Time: 10:10 – 12:00

	K0083	Thermal oxidation of NiAl-Al ₂ O ₃ coated on mild carbon steel <i>Raden Dadan Ramdan, Budi Prawara, Rochim Suratman</i> Institut Teknologi Bandung, Indonesia
	K0084	Synthesis and properties of Sb layered Te/Cd stack prepared by elemental stack method <i>Shanmugan Subramani, Mutharasu Devarajan, And Kamarulazizi Ibrahim</i> Universiti Sains Malaysia (USM), Malaysia
	K0086	Properties of Ag doped CdTe thin film prepared by Stacked Elemental Layer (SEL) Method <i>Shanmugan Subramani, Mutharasu Devarajan And Zainuriah Hassan</i>

Tulip Room (ICKEM) 15 papers		Universiti Sains Malaysia (USM), Malaysia
	K0087	Building Factor of Grain-Oriented Silicon Iron (3% SiFe) with Different Thickness on 100kVA Three Phase Distribution Transformer Core <i>N. Ashbahani, I. Daut and Y.M. Irwan</i> University Malaysia Perlis, Malaysia
	K0088	Mechanical Behavior of GFRP Laminated Composite Pipe Subjected To Uniform Radial Patch Load <i>SH. Sharifi Teshnizi, S. S. R.Koloor, G. Sharifishourabi, Amran Bin Ayob and Mohd Yazid Yahya</i> Universiti Teknologi Malaysia, Malaysia
	K0094	Effect of Ply Thickness on Displacements and Stresses in Laminated GFRP Cylinder Subjected to Radial Load <i>SH. Sharifi Teshnizi, S. S. R.Koloor, G. Sharifishourabi, Amran Bin Ayob and Mohd Yazid Yahya</i> Universiti Teknologi Malaysia, ,Malaysia
	K0089	Nonlinear Mechanical Analysis of Polymer Precast Panel for Temporary Support of Tunnels <i>M. Khalajmasoumi, I. S. Ibrahim, J. Mohd Yatim and S. S. R. Koloor</i> Universiti Teknologi Malaysia, Malaysia
	K0090	Mode I Interlaminar Fracture Characterization of CFRP Composite Laminates <i>S.S.R. Koloor, H. Hussin and M.N. Tamin</i> Universiti Teknologi Malaysia, Malaysia
	K0091	A Size-Bed Wheelchair Design Manufacture with Scaled Prototype and Kinematic-Virtual Reality Model Simulation KHALID bin Hasnan ^a , LUHUR Budi Saesar ^b and PRIMA Adhi Yudhistira Faculty of Mechanical and Manufacturing Engineering University Tun Hussein onn Malaysia
	K0092	A Review of Photo sensor Laser Range Finder Hokuyo URG-04LX-UG01 Applications <i>KHALID bin Hasnan and LUHUR Budi Saesar</i> Faculty of Mechanical and Manufacturing Engineering Universiti Tun Hussein Onn Malaysia
	K0093	Optimization of Rare Earth Dope on MA ₂ O ₄ (M = Ba, Sr) by Self-Propagating High Temperature Synthesis <i>Taschaporn Sathaporn and Sutham Niyomwas</i> Prince of Songkla University, Thailand
	K0095	Investigations of Tungsten based Intermetallic Alloys by Self Propagating High temperature Synthesis from Metal Oxide Precursors <i>Tawat Chanadee, Jessada Wannasin and Sutham Niyomwas</i> Prince of Songkla University (PSU), Thailand
	K0097	Polyaniline-Stannous oxide Composites: Novel Material for Broadband EMI Shielding <i>Muhammad Faisal and and Syed Khasim</i> Department of Physics, PES School of Engineering, India
	K0098	EFFECT OF CLAY ON THE PROPERTIES OF POLYOXYMETHYLENE/ CLAY NANOCOMPOSITES <i>Sirirat Wacharawichananta, Paramaporn Sahapaibounkitb and Unchana Saeueng</i>

		Silpakorn University, Thailand
	K0099	Preliminary Study on Cutting Solid Object Using Water At Pressure Exceeding 1000 MPa AHMAD HUMAIZI HILMI, NORAZMAN MOHAMAD NOR Ariffin Ismail, Alias M.Y., Ahmad Mujahid Ahmad Zaidi and Shohaimi Abdullah University Malaysia Perlis,Perlis, Malaysia,

Afternoon, Feb. 27, 2012 (Monday)**SESSION – 3 (ICMIE 2012)****Venue: Lotus Room****Time: 13:10 – 15:30**

Lotus Room (ICMIE) 15papers	E0018	Knowledge Discovery in Plastic Cards Transactions by Using Data Mining <i>Ehsan Saghehei, Farshad Farahani Deljoo and Mehrdad Hamidi Hedayat</i> Department of Industrial Engineering, Malayer Branch, Islamic Azad University, Iran
	E0020	A Two Level DEA in Project Based Organizations <i>Mehrdad Hamidi Hedayat, Ehsan Saghehei and Yazdan Khoshjahan</i> Young Researchers Club, West Tehran Branch, Islamic Azad University, Iran
	E10016	A Study of Resource-Constrained Project Optimization with Discounted Weighted Earliness-Tardiness Penalty Costs <i>Yazdan Khoshjahan, Ehsan Saghehei and Mehrdad Hamidi Hedayat</i> Faculty of Industrial and Mechanical Engineering, Qazvin Branch, Islamic Azad University, Qazvin, Iran
	E0086	Quality Improvements by Implementing Lean Manufacturing principles <i>Naveen. S and Ganesh Kumar. N</i> PSG COLLEGE OF TECHNOLOGY, INDIA
	E0089	Analysing Reliability Aspects of HVAC Systems – A case <i>Rajiv Kumar Sharma, Chandan Parbhot, Sidhant Thakur, Vivek Thakur</i> National Institute of Technology, Hamirpur, India
	E0009	Optimal Path Planning of an Autonomous Mobile Robot Using Genetic Algorithm <i>V. Vasu and K. Jyothi Kumar</i> National Institute of Technology, Warangal, India
	E0012	Numerical and Experimental Studies of Residual Stresses in Cold Expanded Holes <i>H D Gopalakrishna and Vinod M. Srinivasa</i> R.V. College of Engineering, India
	E0017	Study on Machinability Behaviour of Carbon Fibre Reinforced Plastics (CFRP) Using PCD 1500 Grade Insert <i>Guru Neelakandan, Lakshmanan Arunachalam and Lakshmi Narayanan</i> Sri Venkateswara College Of Engineering, Sriperumbudur, Tamilnadu, India.
	E0021	Derailment Analysis of Tilting Railway Vehicles with Wind Loads <i>Yung-Chang Cheng, Chin-Te Hsu, Te-Wen Tu, Chern-Hwa Chen and Meng-Ju Tsai</i> National Kaohsiung First University of Science and Technology, Taiwan

E0024	The Use of Uniform Design and Nelder-Mead Simplex Methods to Optimization of Suspension Parameters of a High Speed Railway Vehicle System <i>Yung-Chang Cheng and Cheng-Kang Lee</i> Cheng Shiu University, Taiwan
E0026	3-D Modeling & Numerical Simulation of Friction Stir Welding Process <i>Barnik Saha Roy, Dr. Subhash Chandra Saha and John Deb Barma</i> National Institute of Technology, Agartala, India
E0028	An Approach of Weighted Principal Component Analysis based Taguchi Method for Parametric Optimization of Submerged Arc Welding <i>J. Deb Barma, Mitul B. Shil, P.K. Dan and A. Bandyopadhyay</i> National Institute of Technology, Agartala, India
E0029	Process Parametric Optimization of Submerged Arc Welding by Using Utility Based Taguchi Concept <i>John Deb Barma, Joydeep Roy, Subhash Chandra Saha, Barnik Saha Roy</i> National Institute of Technology, Agartala, India
E0031	Determination of Leagile Supply Chain Index Using Fuzzy ANP Approach <i>S.Vinodh and S.Aravind Raj</i> National Institute of Technology, Tiruchirapalli, India
E0032	Estimating and Modeling Uncertainties Affecting Production Throughput using ARIMA-Multiple Linear Regression <i>Amir Azizi, Amir Yazid B. Ali, Loh Wei Ping and Mohsen Mohammadzadeh</i> Universiti Sains Malaysia (USM), Malaysia

15: 30 - 15: 40	Coffee Break
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Afternoon, Feb. 27, 2012 (Monday)

SESSION – 4 (ICMIE 2012)

Venue: Lotus Room

Time: 15:40 – 18:00

E0034	Methodology for the Objectification of Decisions in the Product Development <i>Frank Nehuis, Kai Schmidtchen, Carsten Stechert, Sven Schulze, Thomas Vietor and Uwe Dombrowski</i> Technische Universität Braunschweig -Institute for Production Management and Enterprise Research, Germany
E0035	Bio-modelling using Rapid Prototyping by Fused Deposition <i>Y. Ravi Kumar</i> National Institute of Technology, Warangal, India
E0039	Mathematical Modeling of Machining Parameters in Electrical Discharge Machining with Cu-B4C Composite Electrode <i>V. Anandkrishnan and V. Senthilkumar</i> National Institute of Technology, Tiruchirappalli, India

Lotus Room (ICMIE) 15papers	E0040	Ferromagnetism, Raman Spectra and Photoluminescence of Sn _{0.91} Co _{0.05} Ce _{0.04} O ₂ and Sn _{0.91} Fe _{0.05} Ce _{0.04} O ₂ Nanorods <i>Jasneet Kaur, R. K. Kotnala and Kuldeep Chand Verma</i> Eternal University, Baru Sahib, India
	E0043	Surface Modification of Aluminum Alloy using Plasma Based Ion Implantation and Deposition <i>Tadahiro Wada, Jun Nakanishi, Yasuhiro Miki, Makoto Asano, Koji Iwamoto and Hiroyuki Hanyu</i> Nara National College of Technology, Japan
	E0087	Tool Wear of Polycrystalline Cubic Boron Nitride Compact Tools in Cutting Hardened Steel <i>Tadahiro Wada</i> Nara National College of Technology, Japan
	E0044	Determining Production Schedule with Resource Constraints Using Drum-Buffer-Rope (DBR) Approach <i>Ping-Yu Chang</i> Mingchi University of Technology, Taiwan
	E0052	ZMP Based Gait Generation of AIT Leg Exoskeleton – A Further Gaits Generation <i>Narong Aphiratsakun, Kittipat Chairungsarpsook and Manukid Parnichkun</i> Assumption University, Thailand
	E0053	Reducing setup time in manufacturing cells in a JIT environment <i>Shahram Sharifi, Satyaveer. S. Chauhan and Nadia Bhuiyan</i> CONCORDIA UNIVERSITY, CANADA
	E0055	Investigation of Critical Issues in a Micro and Small Scale Industries in India <i>Jeshvin Vincent, Hariharasudhan and S. Gopinath</i> Sri Venkateswara College of Engineering, Sriperambadur, India
	E0059	A New Model Reference Adaptive Control Using Stacked Identifiers <i>Wei-Der Chung, Xiao Hu, Hsin-Pei Chen, Yunzhi Cheng and C. C. Wang</i> Industrial Technology Research Institute, Taiwan
	E0061	Machinery Fault Detection Using the Wavelet Order Spectrum <i>C. C. Wang, Y. Kang and T. Y. Tu</i> Industrial Technology Research Institute, Taiwan
	E0064	The necessity of implementation of Operations Research for Managers for decision-making and productivity increase in production <i>Mohammad Khorasani Amoli, Seyyed Milad Talebzadeh Hoseini and Morteza Salehi</i> Shomal University, Iran
	E0067	Optimizing Layout and Amount of Eco-Industrial Demonstration Parks in Jilin Province <i>Yonghong Cao and Fengrong Zhang</i> Northeast Normal University, China
	E0068	Effect of Process Parameters in Electric Discharge Machining of Ti-6Al-4V Alloy by Three Different Tool Electrode Materials <i>Manoj Kumar Kuttuboina, Uthirabathi A. and Lenin Singaravelu D</i> National Institute of Technology Trichy, India

Morning, Feb. 28, 2012 (Tuesday)**SESSION – 9 (ICMIE 2012)****Venue: Lotus Room****Time: 08:30 – 10:00**

Lotus Room (ICMIE) 13 papers	E0079	An Empirical Examination of Fit between Supply Chain Integration and Environmental Uncertainty <i>Yue-Yang Chen, Hui-Ling Huang, Ming-Chi Tsai, and Je-Ruei Liang</i> I-Shou University, Taiwan (R.O.C.)
	E0081	Investigation on the effect of process parameters on hardness of components produced by direct metal laser sintering (DMLS) <i>C D Naiju, K Annamalai, P K Manoj and Ayaz K M</i> VIT University, India
	E0082	Study on the Effect of Process Parameters on Sliding Wear Behavior of Components Produced by Selective Laser Sintering (SLS) <i>C D Naiju, K Annamalai, Joseph Kurian and Tarun Thomas George</i> VIT University, India
	E0083	Study on the Effect of Process Parameters on Reciprocating Wear Behavior of Components Produced by Selective Laser Sintering (SLS) <i>C D Naiju, P K Manoj, Tarun Thomas George and Joseph Kurian</i> VIT University, India
	E0084	Design And Analysis Of Front Axle For Two Wheel Drive Tractor <i>Oyyaravelu R, K Annamalai, Senthil Kumar M, C D Naiju and Joel Michael</i> VIT University, India
	E0090	A Model for IT/IS Project Portfolio Selection in Presence of Uncertainty: Combination of Fuzzy Multi-Criteria Decision Making and Fuzzy Mathematical Programming <i>Reihaneh Amelsadeghi and Mehdi Seifbarghy</i> Alzahra University, Iran
	E0091	Supply chain risk prioritization using a hybrid MCDM approach <i>S. PrasannaVenkatesan and S. Kumanan</i> National Institute of Technology, Tiruchirappalli, India
	E0095	Kalman Filter-based Sensor Fusion for Improving Localization of AGV <i>Inseong Lee, Jaeyong Kim, Junha Lee, Jungmin Kim and Sungshin Kim</i> Pusan National University, Republic of Korea
	E0096	Automated Precipitate Identification for Sludge Volume Indicator <i>Hansoo Lee, Sudaek Kim, Yong Hyun Kim, Jungmin Kim and Sungshin Kim</i> Pusan National University, Republic of Korea
	E0097	Pusan National University, Republic of Korea <i>Hanne Kyllönen and Petri Helo</i> SEinäjoki University / Vaasa University, Finland
	E0098	A Study on Design of Communication Protocol for CPS Simulation <i>Ji-Yeon Kim, Hyung-Jong Kim, Jin-Myoung Kim and Won-Tae Kim</i> Seoul Women's University, Republic of Korea
	E0100	XML Representation of System Entity Structure for Distributed Modeling Simulation

		<i>Dal-Nim Choi, Jin-Myoung Kim, Won-Tae Kim and Hyung-Jong Kim</i> Seoul Women's University, Republic of Korea
E0101		Energy Harvesting by Foot-Propelled Battery Charger using Shoe-Model <i>Nishchal K. Verma, Pallavi Singla and Abhishek Roy</i> Indian Institute of Technology Kanpur, India

10: 00 - 10: 10	Coffee Break
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Morning, Feb. 28, 2012 (Tuesday)

SESSION – 10 (ICMIE 2012)

Venue: Lotus Room

Time: 10:10 – 12:00

Lotus Room (ICMIE) 15 papers	E10002	Analysis of Surface Rolling Process Impact on Crankshaft Fatigue Strength <i>CHEN Xiao-ping, HU Ru-fu</i> Ningbo University of Technology, China
	E10007	Some Aspects of Lean Manufacturing <i>Ajai Kumar Pathak</i> National Institute of Foundry and Forge Technology, Hatia, Ranchi, India
	E10008	Reduction in Defect Rate by Taguchi Method in Plastic Injection Molded Components <i>G. S. Dangayach and Deepak Kumar</i> Malaviya National Institute of Technology Jaipur, India
	E10011	Mechanical Behaviour of chemically treated reshira-epoxy composite at cryogenic temperatures <i>M. Vasumathi and Vela Murali</i> Anna University, Chennai, India
	E10017	Total Quality Management for the Audiovisual Broadcasting Systems <i>Cristina-Elena Lascu</i> Romanian Television Broadcasting Corporation, Romania
	E10020	Six Sigma DMAIC Methodology: A Powerful Tool for Improving Business Operations <i>Awadhesh Kumar and Narottam Sharma</i> Malaviya National Institute of Technology Jaipur, India
	E10024	Inspection manpower planning for \bar{X} & S control charts <i>Wen-an Yang, Wenhe Liao and Yu Guo</i> Nanjing University of Aeronautics and Astronautics, China
	E20004	Hydration Dehydration Effect on Morphology and Basic strength of Nano-Calcium Oxide <i>Abdul Rahim Yacob and Nur Fatin Sulaiman</i> Universiti Teknologi Malaysia
	E20009	Environmental Performance as Key Performance Indicators in the Lean Six-Sigma Methodology <i>Pregiwati Pusporini, Kazem Abhary and Lee Luong</i> University Of South Australia, Australia
	E20011	Fuel Cost Optimization of Power Systems including HVDC Line <i>Babak Abdi, Arash Alimardani and Reza Ghasemi</i>

		Damavand Branch, Islamic Azad University, Damavand, Iran
E30003	Fuzzy Adaptive Control for Output Tracking Of Chaotic Systems <i>R. Ghasemi, M. B. Menhaj and B. Abdi</i> Damavand Branch, Islamic Azad University, Damavand, Iran	
E30004	Observer-Based State Tracking Adaptive Controller for a Class of Non-affine Nonlinear Systems: An Intelligent Approach <i>R. Ghasemi, M. B. Menhaj and B. Abdi</i> Damavand Branch, Islamic Azad University, Damavand, Iran	
E20014	Analysis of Reverse Logistics Operation Mode for Home Appliance Manufacturing Enterprises <i>Chen Yaping, Zhong Junqing and Tang Shiqiang</i> Shanghai University of Engineering Science	
E30013	Maneuver Control and Vibration Suppression of a Smart Flexible Satellite Using Robust Passivity Based Control <i>Mohammad Azadi</i> Science and Research Branch, Islamic Azad University, Fars, Iran	
E30018	A Simulated Annealing with Ranking and Selection for Stochastic Optimization <i>Mahmoud H. Alrefaei and Ali H. Diabat</i> Qatar University, Qatar	

Afternoon, Feb. 27, 2012 (Monday)

SESSION – 5 (ICICN 2012)

Venue: Lilac Room

Time: 13:10 – 15:30

N069	A Multi-site Disaster Recovery Solution based on IP Storage Networking Rekha Singhal Tata Consultancy Services
N001	Design of All-pass Digital Filters Using Second-Order Cone Programming Tian-Bo Deng Toho University
N013	Mobile Cloud Computing: Critical Analysis of Application Deployment in Virtual Machines Muhammad Shiraz, Abdullah Gani University of Malaya
N016	RTT Estimation Method in WSN Hyun-Chul Yi, Yu-Jong Kim and Joon-Young Choi Pusan National University
N017	Mining Association Rules from Large Datasets towards Disease Prediction K.Srinivas, Dr. G.Raghavendra Rao, Dr. A.Govardhan Jayasree Degree College
N018	Performance Modeling of Energy-Efficient Femtocell Base Stations Yun Won Chung Soongsil University
N019	ADVANCED ENCRYPTION ALGORITHM USING FUZZY LOGIC Ravindu Madanayake, Nikila Peiris, Gayan Ranaweera, Uthpala Jayathilake

Lilac Room (ICICN) 15papers		Sri Lanka Institute of Information Technology, Sri Lanka.
	N021	Performance Comparison of MANETs Routing Protocols for Dense and Sparse Topology Mohammed A. Mahdi and Tat-Chee Wan Universities Sains Malaysia
	N022	Performance Measuring and Comparison of VirtualBox and VMware Vasudevan M.S, Biju R Mohan and Deepak K Damodaran NITK www.nitk.ac.in
	N030	An Effective Genetic Algorithm for Finding Cover Sets in Directional Sensor Networks Mohammad Taghi Kheirabadi, Hosein Mohamadi Gorgan Branch- Islamic Azad University
	N036	A Comparative Study for Various Methods of Classification Peiman Mamani Barnaghi, Vahid Alizadeh Sahzabi , Azuraliza Abu Bakar National University of Malaysia (UKM)
	N040	Malaysia SME ICT During Economic Turbulence Joseph, Ng-Poh-Soon, Choo, P.Y., Wong, S.W., Lim, E.H. and Phan, K.Y University Tunku Abdul Rahman
	N042	Priority based Routing by Capacity Distribution Subarno Banerjee, Supriya Roy and P.K. Guha Thakurta Dept. of Computer Science & Engineering, National Institute of Technology, Durgapur, India
	N043	Buffer Management schemes for Video on Demand (VoD) System Sudhir Dhage and B.B.Meshram Mumbai University
N045	An Improved Route Optimization Algorithm for RMTP Support in the NEMO Environment Inwhee Joe, Jaeyoung Kim Hanyang University	

15: 30 - 15: 40	Coffee Break
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Afternoon, Feb. 27, 2012 (Monday)

SESSION – 6 (ICICN 2012)

Venue: Lilac Room

Time: 15:40 – 18:00

	N046	Design and Implementation of New Architecture to Improve Management Performance of IP-based Networks Gholamreza Farahani Islamic Azad University Parand Branch
	N048	A NEW APPROACH TO MINIMIZE PAGE FAULT Vijay Srivastva, Gurmit Kaur Chhabra and Suvrojit Das National Institute Of Technology, Durgapur
	N050	Comparative Study of Radiated Heat by Aluminium & Copper Cable. S.M. Masudur Rahman Al-Arif, Ashik Ahmed and Md. Moinuddin Sharif Riyadh

Lilac Room (ICICN) 15papers		Islamic University of Technology (IUT)
	N051	An Efficient Surveillance Data Management Scheme for Large-Scale Smart Camera Networks Soomi Yang The University of Suwon
	N054	On the life time in compass routing on Delaunay triangulation in wireless sensor Networks Hassan Asadollahi, Hadi Asharioun, Abdul Samad Ismail Azad university Firouzkouh Brach
	N058	A Range-based Detection Method of Replication Attacks in Wireless Sensor Networks Huang Jian, Xiong Yan, Li Ming-xi, Miao Fu you University of Science and Technology of China
	N060	Greedy routing life time consideration on Localized routing in wireless sensor Networks Hadi Asharioun, Hassan Asadollahi and Sureswaran Ramadass NAV6 -University Science Malaysia (USM)
	N070	Mobile User Interface Using a Robust Fingertip Detection Algorithm for Complex Lighting and Background Conditions Byung-Hun Oh, Jun-HO An and Kwang-Seok Hong Sungkyunkwan University
	N073	Learning Ontology Design for Supporting Adaptive Learning in e-Learning Environment Hyun-Sook Chung and Jung-Min Kim Chosun University
	N081	A Shared Incumbent Environment for the Minimum Power Broadcasting Problem in Wireless Networks Nihat Engin Toklu, Roberto Montemanni, Gianni Di Caro, Luca Maria Gambardella SUPSI - Scuola Universitaria Professionale della Svizzera Italiana
	N10014	A wavelength protection algorithm based-on wavelength utilization ratio in DWDM optical networks Jianping Wang ,Zhen He,Jing Wu University of Science and Technology Beijing
	N10015	TSP-Chord: An Improved Chord Model with Physical Topology Awareness Zhen He,Jianping Wang, Si Liu University of Science and Technology Beijing
	N10021	Link Recovery Comparison Between OSPF & EIGRP Ittiphon Krinpayorm and Suwat Pattaramalai King Mongkuts University of Technology Thonburi
	N20002	BANDWIDTH MANAGEMENT DYNAMICS IN INDIA'S E-GOVERNANCE Dr. V. M. Mathur FORE SCHOOL OF MANAGEMENT, NEW DELHI , INDIA
	N20003	A Direct Routing Algorithm with Less Route Built Throughput Shenglei Xu and Sangsun Lee Shenglei Xu

Morning, Feb. 28, 2012 (Tuesday)

SESSION – 11 (ICICN 2012)**Venue: Lilac Room****Time: 08:30 – 12:00**

Lilac Room (ICICN) 9papers	N20009	Sociological impact of information technology on social Networks Faranak Seyyedi Islamic Azad university Arak Branch
	N20014	32-Channel DWDM System Design and Simulation by Using EDFA with DCF and Raman Amplifiers Mir Muhammad Lodro , Muhammad Ali Joyo, Sukkur Institute of Business Administration
	N20017	Dynamic Clustering of Data with Modified K-Means Algorithm Ahamed Shafeeq B M & Hareesha K S Manipal University
	N20018	Interference Mitigation Technique for Performance Enhancement in Coexisting Bluetooth and WLAN Anika Binte Kasem , Amatus Samiu Binte Awal , Mohammad Rashedul Hasan North South University
	N20019	An improved method for the transmission of large image over internet Kamrul Hasan Talukder and Koichi Harada Hiroshima University
	N30006	A study of an agent coalition algorithm with software ontologies in Knowledge Grid Praveen Desai, Dinesh Acharya, Ashalatha Nayak Manipal University
	N30012	Dedicated Evaluation System for Fault Attacks <i>Masaya Yoshikawa, Makoto Katsube and Toshiya Asai</i> Meijo University
	N30014	BDI agents for Bidding in English Auctions <i>Nandini Sidnal, S. S. Manvi</i> K. L. E. S. C. E. T
	N30017	An Approach for Prolonging the Life Time of Wireless Sensor Network <i>Rohit Kr Batwada, Meenakshi Tripathi, M.S.Gaur, Vijay Laxmi</i> Malviya National Institute Of Technology

10: 00 - 10: 10**Coffee Break****Morning, Feb. 28, 2012 (Tuesday)****SESSION – 12 (ICKEM 2012)****Venue: Lotus Room****Time: 10:10 – 10:00**

K0101	Synthesis, Characterization and Investigation of the Third Order Nonlinear Optical Properties of Pyrrole Schiff Bases
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Lilac Room (ICKEM) 15papers		<i>Sivan Velmathi and Vijayaraghavan Reena</i> Organic and Polymer Synthesis Laboratory, Department of Chemistry, National Institute of Technology, Tiruchirappalli, INDIA
	K0102	Effect of Substrate Conditions on Fe-Al ₂ O ₃ Composite Coating <i>Saowanee Singsothai, Vishnu Rachpech and Sutham Niyomwas</i> Prince of Songkla University, Thailand
	K0103	Experimental Study on Performance of Vertical Axis Wind Turbine with NACA 4-digital Series of Blades <i>W. C. Hsieh, J. M. Miao, C. C. Lai and C. S. Tai</i> National Defense University, Taiwan, R.O.C
	K0105	Mechanical Properties of Montmorillonite-filled Natural Rubbers Compatibilized by Epoxidized Natural Rubbers <i>Pranut Potiyaraj, Sittiporn Ngamsurat and Wasan Poklong</i> Chulalongkorn University, Bangkok 10330 THAILAND
	K0106	<i>LOW TEMPERATURE SOLVOL THERMALLY SYNTHESIZED NITROGEN- FLUORINE DOPED TIO2 FOR METHYL ORANGE PHOTODEGRADATION</i> <i>Tanagorn Kwamman, Siwaporn Meejoo Smith</i> Mahidol University, Thailand
	K0107	Microwave assisted ultra fast synthesis of 1-D molybdenum oxide nanocrystals: structural and electrical studies <i>A. Chithambararaj and A. Chandra Bose</i> National Institute of Technology, India
	K0108	Utilization of mass and elastic loading in oxide materials based SAW devices for the detection of mustard gas simulant <i>V Bhasker Raj, Harpreet Singh, A. Theodore Nimal, M. U. Sharma,</i> <i>Monika Tomar and Vinay Gupta</i> University of Delhi, India.
	K0109	Optical properties of NiO thin films: A potential material for optoelectronic devices <i>Manisha Tyagi, Monika Tomar and Vinay Gupta</i> University of Delhi, India.
	K0110	Tensile Properties of Clay/Polypropylene Nanocomposites at Cryogenic Temperature <i>S. Mohammadreza Khalili, Neda Soleimani, Reza Eslami Farsani</i> <i>and Ziba Hedayatnasab</i> South Tehran Branch, Islamic Azad University, Tehran, Iran
	K0111	Mechanical Characterization of Nanoclay Reinforced Polypropylene composites at High Temperature Subjected to Tensile Loads <i>Reza Eslami Farsani, Ziba Hedayat Nasab, S. Mohammadreza Khalili</i> <i>and Neda Soleimani</i> Faculty of Mechanical Engineering, K. N. Toosi University of Technology, Tehran, Iran
	K0112	Effect of Al Mole Ratio on Iron Aluminide Reinforced with TiB ₂ -Al ₂ O ₃ Composite by Self-Propagating High-Temperature Synthesis <i>Kunyaporn Tapsuan and Sutham Niyomwas</i> Prince of Songkla University, Hat Yai, Thailand
	K0113	Computation of Availability and Performance of Wind Turbine with Markov Analysis in India

		<i>T. Sunder Selwyn and R. Kesavan</i> Anna University, India.
K0114		Flow Mechanism of a Novel Active Micro-Rotor Mixer <i>Y. C. Liou J. M. Miao, T. L. Liu and S.J. Cheng</i> Chung Cheng Institute of Technology, National Defense University , Taiwan, R.O.C
K0116		Physical Properties of PP/Recycled PET Blends Prepared by Pulverization Technique <i>Pranut Potiyaraj, Supachok Tanpichai and Prompoom Phanwiroj</i> Department of Materials Science, Faculty of Science, Chulalongkorn University, Bangkok 10330 THAILAND
K0117		The Effect of Molar Ratio of TiO ₂ /WO ₃ Nanocomposites on Visible Light Prepared by Hydrothermal Method <i>Siriphan Chainarong, Sutham Niyomwas, Lek Sikong and Sorapong Pavasupree</i> Ceramic and Composite Materials Engineering Research Group (CMERG), Faculty of Engineering, Thailand

Afternoon, Feb. 28, 2012 (Tuesday)

SESSION – 13 (ICKEM 2012)

Venue: Tulip Room

Time: 13:10 – 15:30

Tulip Room (ICKEM) 15papers	K0137	Transport properties of chitosan/PEO blend based proton conducting polymer electrolyte <i>M.F. Shukur, M.F.Z. Kadir, Z. Ahmad and R. Ithnin</i> Institute of Graduate Studies, University of Malaya, Malaysia.
	K0138	Dielectric studies of proton conducting polymer electrolyte based on chitosan/PEO blend doped with NH ₄ NO ₃ <i>M.F. Shukur, M.F.Z. Kadir, Z. Ahmad and R. Ithnin</i> Institute of Graduate Studies, University of Malaya, Malaysia.
	K0139	Derivation of equations and the heat distribution graphs in vibration assisted machining and comparison with the conventional machining <i>Reza Nosouhi and Hamid Montazerolghaem</i> Engineering Department, Islamic Azad University Najaf Abad branch, Najaf Abad, Iran
	K0141	Effect of Joining Process on the Coatings of Self-piercing Rivets <i>Mahsa Esfahani, Yvonne Durandet, James Wang and Yatchoy Wong</i> Faculty of Engineering & Industrial Sciences, Swinburne University of Technology, Australia
	K0143	Silica Preform Neck-Down Shape and Glass Fiber Drawing in Optical Fiber Manufacturing Process <i>Kyoungjin Kim</i> Department of Mechanical System Engineering, Kumoh National Institute of Technology, Republic of Korea
	K0146	Effect of Grain Size on the Shape Recovery in a Melt-spun Fe-24%Mn-4%Si-5%Cr-5%Co SMA Ribbon

	<i>H.J. Kim, K.K. Jee, H.W. Kang, J.K. Lee, G.S. Yang and W.Y. Jang</i> Dept. of Metallurgy & Materials Engineering, College of Engineering, Chosun University
K0147	Martensitic Transformation and Response Characteristics in Bias-SMA Spring Actuators with Thermal Cycling <i>K.K. Jee, W.I. Choi, K.H. Kim and W.Y. Jang</i> Dept. of Metallurgy & Materials Engr., Chosun University, Gwangju 501-759, Republic of Korea
K0148	Comparative Study for the Dissolution of Bone Ash- derived and Artificial Hydroxyapatite <i>Jong Kook Lee, Heong Jun Kim and Woo Yang Jang</i> Department of Advanced Materials Eng., Chosun University, Gwangju 501-759, Korea
K0149	Effect of Tool Wear on Tri-Phase CVD Coated Carbide Tools Life While Turning Al6061 <i>Ali Davoudinejad, Sina Alizadeh Ashrafi and Abdolkarim Niazi</i> Department of Manufacturing and Industrial Engineering, Faculty of Mechanical Engineering, Universiti Teknologi Malaysia, Malaysia
K0155	Tool Wear Performance of TiAlN/AlCrN Multilayer Coated Carbide Tool in Machining of AISI D2 Hardened Steel <i>N.A.H. Jasni, M.A. Lajis and K. Kamdani</i> Faculty of Mechanical and Manufacturing, Universiti Tun Hussein Onn Malaysia, Malaysia
K0156	Wind Tunnel Analysis on Performance of H-rotor VAWTs with NACA 64xx Blades <i>W. C. Hsieh, J. M. Miao, C. C. Lai and C. S. Tai</i> School of Defense Science Studies, Chung Cheng Institute of Technology, National Defense University, Taiwan, R.O.C
K0158	Effect of CaF ₂ in Precursors on Steel Pipe Lined Fe-Al Intermetallic-TiB ₂ -Al ₂ O ₃ Composite Coating by Centrifugal-SHS Process Pajaree Kerdkool and Sutham Niyomwas Prince of Songkla University, Thailand
K0161	Short Review: Electrophoretic Deposition (EPD) on Non-Conductive Substrate <i>Siti Alwani Ab. Aziz, Shahrin Hisham Amirnordin, Hamimah Ab. Rahman, Hasan Zuhudi Abdullah and Hariati Taib</i> Faculty of Mechanical Engineering and Manufacturing, Universiti Tun Hussein Onn Malaysia, 86400 Parit Raja, Batu Pahat, Johor, Malaysia
K0163	Ab-initio Electronic Structure Studies of CuO Multiferroics <i>Kanagaraj and N. Baskaran</i> Department of Physics, National Institute of technology, Tiruchirappalli -620015, INDIA
K0167	An Improved Immune Algorithm for Manufacturing Scheduling <i>Dipak Laha, Indranil Ghosh, Pranab K Dan and Sagar U Sapkal</i> Department of Mechanical Engineering, Jadavpur University, Kolkata, India
K0177	NUMERICAL ANALYSIS ON SUPERPLASTIC FORMING OF FRICTION STIR WELDED AA6061-T6 ALLOY SHEET <i>P. Ganesh and V. S. Senthil Kumar</i>

Department of Production Technology, MIT, Anna University, India
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15: 30 - 15: 40

Coffee Break

Afternoon, Feb. 28, 2012 (Tuesday)

SESSION – 14 (ICKEM 2012)

Venue: Tulip Room

Time: 15:40 – 18:00

Tulip Room (ICKEM) 15papers	K0178	Effects of Calcination Temperature on Electrospun Silica Fibers <i>Nuttaya Pramuanusub, Piyada Jittangprasert and Panitarn Wanakamol</i> Department of Physics, Srinakharinwirot University, Sukhumvit 23, Wattana, Bangkok, Thailand
	K0182	The Analysis of Management Mechanism Innovation Research of China Art Museum in New Time <i>Liu Fan</i> School of Art and Design, Wuhan Textile University, China
	K0184	Optimization Techniques for No-wait Manufacturing Scheduling: A Review <i>Sagar U. Sapkal, Dipak Laha and Dhiren Kumar Behera</i> Mechanical Engineering Department, Jadavpur University, Kolkata 700032, India
	K0188	Effect of Filling Powder Volume Rate in Wick Manufactured for Loop Heat Pipes <i>Shen-Chun Wu, Chuo-Jeng Huang and Jhih-Huang Gao</i> Department of Aviation Mechanical Engineering, China University of Science and Technology, Taipei, Taiwan.
	K0190	Lead Price Forecasting based on ARIMA Model <i>Ping Huang, Peng Yang , Zhe Wei and Genbo Yu</i> University of Science & Technology Beijing, Beijing 100083, China
	K0191	Investigation of Correlation between Polishing Characteristic and Pad Roughness during Chemical Mechanical Planarization Process <i>Hojoong Kim, Andy Kim and Taesung Kim</i> SKKU Advanced Institute of Nanotechnology, Sungkyunkwan University, Korea
	K0192	Gel Oxidation Of Titanium And Effect Of UV Irradiation On Precipitation Of Hydroxyapatite From Simulated Body Fluid <i>H.Z. Abdullah and C.C. Sorrell</i> Faculty of Mechanical and Manufacturing, Universiti Tun Hussein Onn Malaysia, 86400 Parit Raja, Batu Pahat, Johor, Malaysia
	K0193	Numerical Simulation of Ultrasonic Generator in Dust Removing System <i>Hoomi Choi and Taesung Kim</i> SKKU Advanced Institute of Nano technology (SAINT), Sungkyunkwan University, Korea
	K0194	Influence of machining strategies on surface roughness in ball end milling

	of inclined surfaces <i>Sh.Shajari, M.H.Sadeghi, H.Hassanpour and B.Jabbaripour</i> Tarbiat Modares University, Tehran, Iran
K0195	Characterization of Chitin Extracted from waste sources via XRD, FTIR, and TGA Techniques <i>Suraida Basosidik, Piyapong Pankaew, Ekachai Hoonnivathana, Pichet Limsuwan and Kittisakchai Naemchanthara</i> Department of Physics, Faculty of Science, King Mongkut's University of Technology Thonburi, Bangkok, 10140, Thailand
K0196	Performance Study of Humidity Adsorbent Prepared from Waste Shells <i>Nopporn Rattanachoung, Piyapong Pankaew, Ekachai Hoonnivathana, Noppadon Suttisiri, Pichet Limsuwan and Kittisakchai Naemchanthara</i> Faculty of Science, King Mongkut's University of Technology Thonburi, Thailand
K0197	Integration Of Simulation Modeling And Comparison Of Scheduling Methods To Minimize The Makespan In A Printing Industry <i>V.Govindarajalu, V.S. Senthil Kumar</i> Anna University, Chennai – 600 025, India
K0199	Design of a Multi-Locomotion Underwater Robot <i>Thanhtam Ho and Sangyoon Lee</i> Department of Mechanical Design and Production Engineering, Konkuk University Hwayang-dong, Seoul, Korea
K0200	Research of Legislation and Practice for Piercing the Corporate Veil under New Companies Act in China <i>GU Guangshu</i> School of Economy, Wuhan Textile University, China
K0202	The Used of Pineapple Leaf Fiber, Banana Stem and Kenaf for Production of Paper <i>Yusri Yusof and Abdul Halim Md. Sha'ban</i> Universiti Tun Hussein Onn Malaysia (UTHM), Malaysia

Afternoon, Feb. 28, 2012 (Tuesday)**SESSION – 15 (ICKEM 2012)****Venue: Lotus Room****Time: 13:10 – 15:30**

K1013	Microstructure evolution during thermal aging of Fe-Cu alloys <i>J. Z. Zhao and Q. L. Wang</i> Institute of Metal Research, Chinese Academy of Science, Shenyang, PR China
K1016	Flexible Polyurethane Foams Filled with Coconut Coir Fibres and Recycled Tyre. Part I: Production and Morphology <i>Chan Wen Shan, Maizlinda Izwana Idris and Mohd Imran Ghazali</i> Faculty of Mechanic and Manufacturing Engineering, Universiti Tun Hussein Onn Malaysia (UTHM)
K1017	Flexible Polyurethane Foams Filled with Coconut Coir Fibres and Recycled Tyre. Part II: Compression and Energy Absorption <i>Chan Wen Shan, Maizlinda Izwana Idris and Mohd Imran Ghazali</i> Universiti Tun Hussein Onn Malaysia (UTHM), Malaysia
K1020	Formation mechanism of ceria particles by spray pyrolysis

Lotus Room (ICKEM) 15papers		<i>Shao-Ju Shih, Jian-Pu Huang and Yu-Jen Chou</i> National Taiwan University of Science and Technology, Taiwan
	K1022	Effects of Long Chain Cellulose Ester on Mechanical Properties of Polylactic Acid Reinforced with Microcrystalline Cellulose <i>Voravadee Suchaiya and Duangdao Aht-Ong</i> Faculty of Science, Chulalongkorn University, Thailand
	K1023	The Role of Form Compositions in Energy Consumption of High-rise Buildings (Case Study: Iran, Tehran) <i>Mohammadjavad Mahdaveinejad, Mohammadhossein Ghasempourabadi and Hojat Ghaedi</i> Faculty of Art and Architecture, Tarbiat Modares University, Iran
	K1024	Fracture behaviour of chemically treated Reshira-Epoxy composite and optimization of parameters for composite fabrication <i>M. Vasumathi and Vela Murali</i> Engineering Design Division, Department of Mechanical Engineering, Anna University, India
	K1025	Effect of Pre/Post Heat Treatment on the Friction Stir Welded SSM 356 Aluminum Alloys <i>Worapong Boonchouytan, Thanate Ratanawilai and Prapas Muangjunburee</i> Rajamangala University of Technology Srivijaya, Songkhla Thailand
	K1027	Optical Characterization of Luminescence Polymer Blends Using Tauc/Davis-Mott Model <i>A. N. Alias, T.T.I Kudin, Z. M. Zabidi, M. K. Harun and M.Z.A. Yahya</i> Department of Applied Sciences, Universiti Teknologi MARA
	K1028	Effect of sample Geometry and Placement on Iron Ore Processing by Microwave <i>K. Barani, SMJ. Koleini, B. Rezai and A. Khodadadi</i> Mineral Processing Dept., Tarbiat Modares University, Tehran, Iran
	K1030	INFLUENCE OF UNGROUND PALM OIL FUEL ASH (UPOFA) IN COMPRESSED EARTH BRICK (CEB) PROPERTIES <i>Fetra Venny Riza, Ismail Abdul Rahman, Ahmad Mujahid Ahmad Zaidi</i> Universiti Tun Hussein Onn Malaysia (UTHM)
	K1033	Mechanical properties and morphology of plasticized poly(vinyl chloride) nanocomposites filled with nanosilica <i>Saowaroj Chuayjuljit and Nuttapol Sukkasem</i> Chulalongkorn University, Bangkok, 10330 Thailand
	K2003	p-HEMA Membrane Fabrication Applying Nanogold for Biochemical Sensor <i>Rita Sundari and M. Rusli Yosfiah</i> University Technology Malaysia, Skudai, Johor, Malaysia.
	K2012	The Study of Proper Conditions in Face Milling Palmyra Palm Wood and Coconut Wood Using Design of Experiment <i>S. Rawangwong, J. Chatthong, J. Rodjananugoon, W. Boonchouytan and R. Burapa</i> Rajamangala University of Technology, Thailand
	K2014	Influence of Polypropylene Fiber in Strength of Foamed Concrete <i>Josef Hadipramana, Abdul Aziz Abdul Samad, Ahmad Mujahid Ahmad Zaidi, Noridah Mohammad and Wirdawati</i> Faculty of Civil and Environmental Engineering Universiti Tun Hussein

Onn Malaysia, Parit Raja- Batu Pahat 86400, Johor-Malaysia
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15: 30 - 15: 40

Coffee Break

Afternoon, Feb. 28, 2012 (Tuesday)

SESSION – 16 (ICKEM 2012)

Venue: Lotus Room

Time: 15:40 – 18:00

Lotus Room (ICKEM) 14papers	K2029	Evaluation of damping for glass fiber reinforced composite materials <i>Pramod kumar</i> Ambedkar National Institute of Technology Jalandhar (India)
	K2030	Preparation of Colloidal Silver Nanoparticles by Laser Ablation; Evaluation and Study on its Developed Applications <i>Adeleh Granmayeh Rad, Hamed Abbasi</i> Roudehen Branch, Islamic Azad University, Roudehen, Iran
	K2034	Densification Behavior Of Steatite By Two Stage Sintering <i>C.K.L. Jeffrey, S. Ramesh and C.Y. Tan</i> Advanced Materials Laboratory, KDU University College, Petaling Jaya, Selangor, Malaysia
	K2036	Optical Behaviour of Transparent Thin Films of Sr-doped TiO ₂ for Optoelectronic Devices <i>M. H. Mangrola, B. H. Parmar, A. S. Pillai and V. G. Joshi</i> Department of Physics, Veer Narmad South Gujarat University, Surat, Gujarat, India.
	K2039	Evaluation of the Physicochemical Properties of Molybdenum Supported Catalysts <i>Muhammad Farooq, Anita Ramli and Duvvuri Subbarao</i> Department of Chemical Engineering Universiti Teknologi PETRONAS Bandar Seri Iskandar, 31750 Tronoh, Perak, MALAYSIA
	K3000	Self-compacting Concrete Prepared Using Rice Husk Ash Waste from Electric Power Plants <i>Gritsada SUA-IAM and Natt MAKUL</i> Phranakhon Rajabhat University, Thailand
	K3001	Synthesis and antifungal studies on CuO nanostructures <i>M. Hussain Beevi, S. Vignesh, T. Pandiyarajan, P. Jegatheesan, R. Arthur James, N. V. Giridharan and B. Karthikeyan</i> National Institute of Technology, India
	K3002	Metallurgical Studies on the Friction Stir Welding of Dissimilar A356 and A413 Alloys <i>G. Elatharasan and V.S. Senthil Kumar</i> Anna University, Chennai. Tamilnadu, India
	K3006	Modeling and Optimization of EDM of Al 7075/10wt% Al ₂ O ₃ Metal Matrix Composites by Response Surface Method <i>S Gopalakannan, T Senthilvelan and K Kalaichelvan</i> Pondicherry Engineering College, Puducherry, India
	K3012	Properties and Nonisothermal Crystallization Behavior of Nucleated

		Polylactide Biodegradable Composite Films <i>Worasak Phetwarotai and Duangdao Aht-Ong</i> Chulalongkorn University, Bangkok, Thailand
	K3025	Physical, Mechanical, and Thermal Properties of Sisal Cellulose Biocomposite Films <i>Sayamon Somsab and Duangdao Aht-Ong</i> Chulalongkorn University
	K3014	Eigen value analysis of glass fiber reinforced composite plate <i>Pramod Kumar and .S K. Tiwari</i> Department of Mechanical Engineering, National Institute of Technology, Jalandhar (India)
	K3015	Dilution Control by Advanced Submerged Arc Welding <i>Dinesh Kumar Shukla, Sunil Pandey</i> National Institute of Technology, Jalandhar, Punjab, INDIA
	K3020	Polymeric Antioxidant based on Natural Rubber grafted with <i>N</i> -(4-Hydroxyphenyl)maleimide <i>Pairote Klinpituksa, Sittaporn Somkieowan, Wae-asae Waehamad and Natinee Lopattananon</i> Prince of Songkla University, Pattani, Thailand.
	K3021	Analysis of Laminate Configuration on Impact Properties of Glass Fibre Epoxy Nanocomposites <i>A. Thiagarajan, K. Palaniradja, N.Rajesh Mathivanan, M.Naresh</i> Pondicherry Engineering College, Puducherry- 605014, India

Afternoon, Feb. 28, 2012 (Tuesday)

SESSION – 17 (ICKEM 2012)

Venue: Lilac Room

Time: 13:10 – 15:30

	K0032	Bioactive Porous Silica Ceramics Prepared using Rice Husk Ash by Gel casting Method <i>Jyoti Prakash Nayak and Japes Bera</i> National Institute of Technology, Rourkela, India
	K0118	Optimization of Anodic Layer and Fabrication of Organic Light Emitting Diode <i>N. Gopalakrishnan, S. Gowrishankar, T. R. Devidas and L. Balakrishnan</i> Thin films Laboratory, Department of Physics, National Institute of Technology, India
	K0121	Some new results for the study of acoustic radiation within a uniform subsonic flow using boundary integral method <i>M.Beldi, A. Maghrebi</i> University Tunis El Manar, MAI Laboratory, B. P. 37 El Manar II-2092-Tunisia
	K0123	Compositional and deposition rate dependence upon RF Substrate bias of RF Sputtered Ni-Fe Films <i>Pervez Akhtar and Riaz Mahmud</i> Department of Electronics and Power Engineering, National University of Sciences and Technology, Islamabad, Pakistan

K0124	Comparison of Heuristics for Identical Parallel Machine Scheduling <i>Dhiren Kumar Behera and Dipak Laha</i> Mechanical Engineering Department, Jadavpur University, India
K0125	Application of VAM to Manufacturing Scheduling Problems <i>Sagar U. Sapkal and Dipak Laha</i> Mechanical Engineering Department, Jadavpur University, Kolkata 700032, India
K0127	Low temperature synthesis of $Pb(Zr_{0.52}Ti_{0.48})O_3$ ceramic powders by chelating agent assisted sol-gel process <i>Jegatheesan P., Muneeswaran M., Gokul Raj S. and Giridharan N.V.</i> National Institute of Technology, INDIA
K0203	Investigating the Effects of Powder Mixed Electrical Discharge Machining on the Surface Quality of γ -TiAl Intermetallic <i>B.Jabbaripour ,M.H.Sadeghi ,M.R.Shabgard ,Sh.Shajari , H.Hassanpour</i> Tarbiat Modares University, Tehran
K0204	Effects of Aggregate Gradation on Water Permeability of Concrete <i>WARDA Bint Ashraf and Munaz Ahmed Noor</i> Department of Civil Engineering, Bangladesh University of Engineering and Technology (BUET), Dhaka, Bangladesh
K10003	Effects of carbon nanotube on tensile and dynamic mechanical properties of NR/SBR and NR/XSBR nanocomposites prepared by latex compounding <i>Anyaporn Boonmahitthisud and Saowaroj Chuayjuljit</i> Department of Materials Science, Faculty of Science, Chulalongkorn University, Bangkok, 10330 Thailand
K1010	High Performance Fiber Composites with Enhanced Energy Absorption for Underground Construction <i>Massoumeh Farjadmand and Mohammad Safi</i> University of Creative Energy, Westminster, London, U.K
K3031	Tensile Properties and Morphology of Natural Rubber- Kaolinite Organoclay Composites <i>Jareerat Ruamcharoen, Suawapa Chotisuwan and Polphat Ruamcharoen</i> Prince of Songkla University, Thailand
K3040	Effect of Latex Treatment on properties of WNRL/PSblends <i>Orathai Boondamnoen, Azura A. Rashid, Masahiro Ohshima, Saowaroj Chuayjuljit and Azlan Ariffin</i> Universiti Sains Malaysia, Malaysia
K3046	The effect of microstructural changes induced by annealing on mechanical properties of FeCoCrMoCBY bulk glassy alloy <i>Amir Seifoddini, Mahmoud Nili-Ahmadabadi, Saeed Heshmati-Manesh, Mihai Stoica, Uta Kuehn and Jürgen Eckert</i> School of Metallurgy and Materials Engineering, Faculty of Engineering, University of Tehran, Tehran, Iran
K3047	Mechano-chemical synthesis of $TiB_2-Al_2O_3$ Nano-composite by reaction between TiO_2 , B_2O_3 and Al <i>Amin Rabieezadeh, Abolghasem Ataie and Ali Mohammad Hadian</i> University of Tehran, Iran

15: 30 - 15: 40

Coffee Break

Afternoon, Feb. 28, 2012 (Tuesday)**SESSION – 18 (ICKEM 2012)****Venue: Lilac Room****Time: 15:40 – 18:00**

Lilac Room (ICKEM) 7papers	K0074	Compression behavior of adhesive butt joints of Aluminum hexagonal core sandwich panels with different edging configurations <i>S. Rajkumar, D. Ravindran , P.K. Arul Raj and V. Hariprasath</i> Chettinad College of Engineering and Technology, India.
	K1012	Effect of Nickel Doping on Interfacial Reaction between Lead-free Solder and Ni-P Substrate <i>O. Saliza Azlina, A. Ourdjini and I. Siti Rabiattull Aisha</i> Faculty of Mechanical & Manufacturing Engineering, Universiti Tun Hussein Onn Malaysia, 86400 Batu Pahat, Johor, Malaysia
	K2025	Effects of Fiber Surface Treatment on Mechanical and Thermal Properties of Coir- MCC/Polylactic Acid Composites <i>Tanawat Tayomma and Duangdao Aht-Ong</i> Faculty of Science, Chulalongkorn University, Thailand
	K2027	Composites of polypropylene/pottery stone/magnesium oxysulfate <i>Saowaroj Chuayjuljit, Thitima Rupunt and Thatisorn Karnjanamayul</i> Faculty of Science, Chulalongkorn University, Thailand
	K2028	The Chemical Modification of Waste PET and its Application for a Wood-polymer Composite Binder <i>Polphat Ruamcharoen, Chor Wayakron Phetphaisit, Ratre Bume, Jareerat Ruamcharoen, Bussara Niyomdecha and Supattra Nillawat</i> Faculty of Science and Technology, Songkhla Rajabhat University, Songkhla, Thailand
	K3022	Ultrafine wollastonite reinforced polypropylene/ethylene propylene diene rubber thermoplastic elastomers <i>Saowaroj Chuayjuljit and Thatisorn Karnjanamayul</i> Chulalongkorn University, Thailand
	K3023	Thermoplastic elastomer nanocomposites of polypropylene/ethylene octene copolymer/carbon nanotubes <i>Saowaroj Chuayjuljit and Thitima Rupunt</i> Chulalongkorn University, Thailand
	K3024	Utilization of microcrystalline cellulose prepared from cotton waste as reinforcement in polypropylene composites <i>Saowaroj Chuayjuljit and Korkaew Palasuth</i> Chulalongkorn University, Thailand

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: 8-12 Minutes of Presentation
Keynote Speech: 40 Minutes of Presentation 5 Minutes of Q&A

The Conference Venue

Peninsula Excelsior Hotel

5 Coleman Street, Singapore 179805; Tel: (65) 6337 8080 Fax: (65) 6339 3580

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