



5th Engineering Conference
Engineering Towards Change - Empowering Green Solutions
|| 10 - 12 July 2012 || Pullman Kuching, Sarawak ||

BEM CPD Accredited

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Organizer:
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Time Table for Technical Session

Technical Parallel Session 1 10 July 2012 (Day 1)				
	Sustainable Building and Structure Systems <i>Chair: Prof Dr Shenbaga Kaniraj</i>	Transport Systems <i>Chair: Engr Shuhairy Norhisham</i>	Geotechnical and Geoenvironmental Engineering <i>Chair: Dr Siti Noor Linda Taib</i>	Sustainable Water and Waste Management <i>Chair: Dr Ponselvi Jeevaragam</i>
1400 – 1420	<i>Green Buildings- Concepts, Materials, Rating Systems and Benefits</i> Lakshmi K Nandan (ID 6)	<i>Effect of Rainfall on Passenger Car Equivalent (PCE) Used in Highway Capacity Loss Determination</i> Hashim Mohammed Alhassan (ID 17)	<i>Developing a Sustainability Framework for the Second Life of Palm Oil Clinker (POC)</i> Chan Chee-Ming (ID 27)	<i>Ground Water Recharge Using Dams</i> Mehemed A Razzaghi (ID 7)
1420 – 1440	<i>Building Safety and Health Model for Apartment Buildings in Malaysia</i> Azuin bt Ramli (ID 11)	<i>The Advantages of Mass Transit for Future Urban Transportation</i> Rosalind Sya Juo Ling (ID 30)	<i>Application of Bioenzymatic Soil Stabilization in comparison to Macadam in Construction of Transport Infrastructure</i> Uzaira Rafique (ID 34)	<i>Advantage of Changes of Flow and Pressure Shock for Flushing to Give High Water Quality in the Distribution Systems and Reservoirs</i> Hossein Shamsaei (ID 9)
1440 – 1500	<i>Flexural Strength and Deflection of Biomass Polyvinyl Chloride (PVC)-Reinforced Hollow Core Deck</i> Chai Teck Jung (ID 14)	<i>The Use of Rubberised Fibre Mixtures to Reduce Noise Highways</i> Shakor Ramat b A. Badaruddin (ID 66)	<i>Non-Destructive Evaluation of Road Pavement using Spectral Analysis of Surface Waves (SASW)</i> Mohd Azmi Ismail (ID 57)	<i>The Utilization of Non Conventional Water Resources to Subsidize Insufficient Water Balances: Case Study for Santorini Island, Greece</i> Petros Gikas (ID 23)
1500 – 1520	<i>Assessing the Green Building Index for Brownfield Redevelopment in Malaysia</i> Nurlaila Ali (ID 44)	<i>A Simulation-Based Expert Advisory System for Mobility Management Scheme</i> Resdiansyah Mansyur (ID 70)	<i>Bending Characteristics of the Multirow Arrangements of Laterally Loaded Passive Piles in Sand for Landslide Countermeasure</i> Donovan Mujah (ID 58)	<i>An Algorithm for Evaluation of Water Reservoirs' Sustainability using Fuzzy Approach</i> Hamid Vahdat (ID 36)
1520 – 1540	Refreshment			

Technical Parallel Session 2 10 July 2012 (Day 1)				
	Sustainable Building and Structure Systems <i>Chair: Dr Delsye Teo</i>	Transport Systems <i>Chair: Mr Ron Aldrino Chan Ron Buki</i>	Geotechnical and Geoenvironmental Engineering <i>Chair: Dr Chan Chee-Ming</i>	Sustainable Water and Waste Management <i>Chair: Dr Mohammad Kamruzzaman</i>
1540 – 1600	<i>The Consideration of Rooftop Garden Element in Malaysia Green Building Index: A Literature Review</i> Maryanti bt Mohd Raid (ID 46)	<i>Online Process Monitoring of Hard Turning using Statistical Parameters of Acoustic Emission Signal</i> J Bhaskaran (ID 97)	<i>Cement and Fiber Stabilization of Indian Fly Ashes</i> Shenbaga R Kaniraj (ID 82)	<i>Control of Pollution Load of Hexavalent Chromium: A Green Viable Solution</i> Saima Nasreen (ID 33)
1600 – 1620	<i>Role of IBS Technology in Reducing Waste in Construction Industry</i> Mohamed Nor Azhari Azman (ID 78)	<i>Recent Progress and Development of Vehicle Monitoring System for Accident Prevention</i> Chai Nee Ping (ID 94)	<i>Dynamic Response of Group of 3 Pile in Series and Parallel Arrangement</i> Vishwas A Sawant (ID 117)	<i>The Uncertainty Analysis of Model Inputs and Parameters in Qualitative Simulation of Surface Flows</i> Mona Shojaie (ID 50)
1620 – 1640	<i>Anti Smog as an Innovation Centre in Architectural Technology in Sustainable Development</i> Asmaa Abdel Gawad El Sebaey (ID 79)	<i>Real-time Heavy Vehicle Monitoring Using Positioning Technologies: Conceptual Design</i> Chai Nee Ping (ID 95)	<i>Dynamic Response of Single Pile Using Finite Difference Method</i> Vishwas A Sawant (ID 118)	<i>Streamflow Forecasting for Gauged and Ungauged Sites of a River Basin Using Neural Network</i> Ponselvi Jeevaragagam (ID 54)
1930 – 2200	Conference Dinner			
	END OF DAY 1			

Technical Parallel Session 3 11 July 2012 (Day 2)				
	Advanced Manufacturing and Technology	Energy Efficiency	Sustainable Building and Structure Systems	Sustainable Water and Waste Management
	<i>Chair: Prof Dr Amir Azam Khan</i>	<i>Chair: Dr Mohd Danial Ibrahim</i>	<i>Chair: Prof Dr Md Abdul Mannan</i>	<i>Chair: Dr Leonard Lim</i>
0900 – 0920	<i>Commercialisation of R&D: A Critical Review Regarding Factors Affecting Success of Commercialising Research Findings in Local Universities (ID 65)</i> Shakor Ramat b A. Badaruddin	<i>Development of a Micro Energy Harvester</i> Tay Cho Jui (ID 20)	<i>Compressive and Flexural Strength of Recycled Glass Aggregate Concrete</i> Mohammad Amirulkhairi b Zubir (ID 81)	<i>Monitoring of Groundwater Flow by using Colloidal Borescope System (CBS)-Case Studies</i> Kamarudin Samudung (ID 60)
0920 – 0940	<i>Quantitative Tool in Measuring Course Outcomes: A Model Study in Engineering Education at UNIMAS</i> Shahidul Islam (ID 87)	<i>Natural State Modeling of Singapore Geothermal Reservoir</i> Hendrik Tjiawi (ID 24)	<i>Performance of Recycled Aggregate Concrete Containing Various Pozzolanic Materials in Terms of Strength</i> Suraya Hani Adnan (ID 90)	<i>Rainfall Forecasting Using Fourier Series</i> Nasser Rostam Afshar (ID 61)
0940 - 1000	<i>Silver Based Nanoalloy as a High Temperature Die Attch Material</i> Vemal Raja Manikam (ID13)	<i>Biodiesel Production from Macro Algae and Its Fuel Properties</i> Abu Saleh Ahmed (ID 76)	<i>Bricks Produced from Calcium Carbide Waste</i> Delsye Teo Ching Lee (ID 98)	<i>Study of Groundwater Contamination Flow Path Using Electrical Resistivity Imaging Technique at Taiping Landfill Site, Perak</i> Nor Dalila Desa (ID 63)
1000 – 1020	<i>The Effect of Board Density on the Properties of Kenaf Core Fiber Urea Formaldehyde Particle Board</i> Saad A Mutasher (ID 49)	<i>Initial Design and Development of a Small Industrial Cooling Water Power Generator</i> Abu Saleh Ahmed (ID 108)	<i>Locally Available Palm Oil Fuel Ash (POFA) as Cement Replacement in Concrete</i> Delsye Teo Ching Lee (ID 99)	<i>Assessing the Evidence of Climate Change in South Australia (SA) from 1950 to 2010</i> Mohammad Kamruzzaman (ID 67)
1020 – 1040	Refreshment			

Technical Parallel Session 4 11 July 2012 (Day 2)				
	Advanced Manufacturing and Technology <i>Chair: Assoc Prof Dr Shahidul Islam</i>	Energy Efficiency <i>Chair: Dr Abu Saleh Ahmed</i>	Sustainable Soil and Water Management <i>Chair: Mdm Rosmina Ahmad Bustami</i>	Transport and Construction <i>Chair: Assoc Prof Ir Dr Resdianyah Mansyur</i>
1040 – 1100	<i>Influence of Various Metal Dopants on Malaysian Dolomite Catalyst for Oil Palm Frond Gasification to Enhance Hydrogen Production</i> Nur Faizal Abdul Rahim (ID 64)	<i>A Novel Approach for the Prediction of Thermal Distribution in Automotive Brake Rotor</i> Md Abdul Maleque (ID 73)	<i>Improvement of the Load Carrying Capacity of Southern Peninsular Malaysia Soft Clay Soil by Electro Osmotic Consolidation</i> Ismail Bakar (ID 84)	<i>Traffic Management Systems Used in Tunnel</i> Ali Ghasemzadeh Khoshkroudi (ID 101)
1100 – 1120	<i>Extraction of Nipah Palm Fiber for Composites Materials</i> Tracy Dickie (ID 71)	<i>Parametric Distribution Selection in Wind Energy Potential Analysis</i> Mohd Juhari b Mat Basri (ID 83)	<i>Effect of Compaction Energy on Engineering Characteristics of Compacted Soil</i> Dayangku Salma Awg Ismail (ID 135)	<i>Awareness and Level of Usage for Park and Ride Facilities in Putrajaya, Malaysia</i> Shuhairy Norhisham (ID 134)
1120 – 1140	<i>Surface Modification for Green Tribology – Anodizing of Aluminium for Cylinder Liner Application</i> R Rajendran (ID 102)	<i>Energy Audit for Sustainable Use of Energy in Centre for Environmental Studies, Anna University, India – A Case Study</i> V Vandhana Devi (ID 89)	<i>Incorporating Floodplain Inundation as Flood Mitigation Plan</i> Darrien Mah Yau Seng (ID 80)	<i>Application of Fuzzy-FMEA Methodology on Risk Assessment for Rajang River Infrastructure</i> Ron Aldrino Chan @ Ron Buking (ID 136)
1140 – 1200	<i>Laser Sintered Materials Machinability Analysis with Finite Element Method</i> Ahmad Shahir b Jamaludin (ID 103)	<i>Progress in the Energy Efficient Home Cooling System Design</i> John Tin Yuan En (ID 92)	<i>Climate Change Impacts on Groundwater Resources: A Case Study</i> Zahra Zahmatkesh (ID 100)	<i>Post-Construction Evaluation of Road Safety Audit: Case Study of BDC Kenyalang Interchange</i> Imelda Jelani (ID 137)
1200 – 1220	<i>Wear Improvement of Austenitic Stainless Steel by Gas Nitriding for Piston Ring Application</i> T Antony Muthu Balan (ID 106)	<i>Adaptive Solar Energy System for Low-Cost Home Cooling System: Conceptual Design</i> John Tin Yuan En (ID 93)	<i>Gross Pollutants Analysis in Urban Residential Area for a Tropical Climate Country</i> Hidayah Basri (ID 122)	<i>Current Practice of OSH in Malaysia – Incentives</i> Quay Wei Kwang (ID 112)
1220 – 1240		<i>Pelletisation of Empty Fruit Bunch with Sago as Binding Agent for Power Generation</i> Mohd Farid Atan (ID 129)	<i>Development of Probable Maximum Flood (PMF) for Sultan Abu Bakar Dam</i> Lariyah Mohd Sidek (ID 124)	<i>Level of Occupational Safety and Health Practices on Construction Site using SHASSIC Method</i> Rohaida Affandi (ID 114)
1240 – 1400	Lunch			

Technical Parallel Session 5 11 July 2012 (Day 2)				
	Energy Efficiency <i>Chair: Dr Norazzlina M.Sa'don</i>	Energy and Environment <i>Chair: Dr Darrien Mah</i>	Sustainable Building and Structure Systems <i>Chair: Mr Abdul Razak Karim</i>	Sustainable Water and Waste Management <i>Chair: Assoc Prof Dr Khairuddin Sanaullah</i>
1400 – 1420	<i>Improving the Combustion Efficiency of a Coal Fired Boiler: Determination of Coal Flow Imbalance in Pulverized Coal Pipes using Acoustic Measurement</i> Norshah Hafeez Shuaib (ID 132)	<i>Potential of Agricultural Wastes as Fuel for Power Generation in Sarawak</i> Nazeri Abdul Rahman (ID 130)	<i>Eco-Friendly Corrosion Protection System for Steel Rebars in Concrete</i> MS Haji Sheik Mohammad (ID 111)	<i>The Migration of Toluene and PCE in Porous Medium using Mini Geotechnical Centrifuge Technique</i> Wan Zuhairi Yaacob (ID 105)
1420 – 1440	<i>Feasibility Study of Coal-Petcoke-Biomass Blend Gasification Test in Building Fluidized Bed Gasifier</i> Noraziah Muda @ Omar (ID 133)	<i>Sustainable Utilization of Biomass Wastes for Power Generation from Sago Processing Industry</i> Nazeri Abdul Rahman (ID 131)	<i>Green Roof as an Option of Green Technology for Urban Stormwater Management Controls</i> Kok Kah Hoong (ID 123)	<i>Optimization of Bacterial Cellulose Production from Pineapple Waste: Effect of Temperature, pH and Concentration</i> Junaidi Zakaria (ID 119)
1440 – 1500	<i>HDDs with Better Heat Dissipation Systems Designed for Search Engines Servers</i> Mohd Danial Ibrahim (ID140)	<i>Initial Evaluation of a Chip Fryer</i> Harunal Rejan Ramji (ID 109)	<i>Used Engine Oil as a Green Concrete Admixtures</i> Salmia Beddu (ID 126)	<i>Treatment of Palm Oil Mill Effluent using Membrane Bioreactor (MBR)</i> Nurul Ayu Sha'ary (ID 121)
1500 – 1520	<i>Performance Optimization for Networks-on-Chip Architectures using Multi-Level Network Partitioning</i> Asrani Lit (ID 141)	<i>Preliminary Study of a Heat-Driven Adsorption Air-Conditioning System using Biomass-based Activated Carbon-Methanol with Computer Aided System</i> Harunal Rejan Ramji (ID 110)	<i>Durability of Nanosilica-Based Cement Mortar</i> Norsuzailina Mohamed Sutan (ID 138)	<i>Prediction of Daily Precipitation of Kuching on Global Climate Change Projections using Statistical Downscaling Approach</i> Kueh Sze Miang (ID 125)
1520 – 1540		Nor Azalina Rosli	<i>Development of Temporal Rainfall Pattern for Southern Region of Sarawak</i> Rosmina Ahmad Bustami (ID139)	Leonard Lim
1540 – 1600	Refreshment / End of Day 2			