

SEEP Conference Program

Tuesday, August 11, 2009

16:00 - 19:00

Registration S-building (i.e. Engineering Building)

Wednesday, August 12, 2009

08:00 - 09:15

Registration H-building (i.e. Nursing Building)

09:15-09:50

Opening Ceremony "Vice President for Research Prof Eugene Kennedy"

09:50-10:20

Dr Abdul Ghani Olabi "Some Research Activities on Sustainable Energy and Environment at DCU"

10:20 - 10:40

Coffee Break

Keynote Address (Chairman Dr. Abdul Ghani Olabi)

10:40 - 11:40

**1- Prof Noam Lior; Energy Journal Editor 1998-2008,
Title: "Energy Resources and Use: the Present Situation and Possible Sustainable Paths to the Future"**

11:40 - 12:10

**2- Prof Dieter Meissner; European Chairman in Environment and Sustainable Energy,
Title: "World Energy Supply in 2050: very few options to save our climate"**

12:10 - 12:40

**3- Presentation by David.McAuley; Sustainable Energy Ireland; R&D Programme Manager - Low Carbon Technologies
Title: "Ireland's Low Carbon Opportunity"**

12:40 - 13:30

Lunch

Paper Sessions

**A1: Chairman: Prof. D. Meissner
(Room HG20)**

**B1: Chairman: Prof. J. McGovern
(Room HG22)**

**C1: Chairman: Prof. S. Hashmi
(Room HG23)**

13:30 - 13:45

Title: Mechanical pre-treatment of Maize.
Paper Code: ,
Authors: Dr. Tim Prescott

Title: Experiments in Reducing Exposure to Air
Pollution: The Application of TiO₂ as a Photocatalyst
in Concrete,
Paper Code: 10111
Authors: J. Bradva and A.McNabola

Title:Laser texturisation for increased light absorption in
Silicon Solar Cells,
Paper Code: 101152
Authors: David Moore, Dermot Brabazon and P. McNally

13:45 - 14:00

Title:The development of a continuous flow solar
disinfection system
for a rural community in sub-Saharan Africa,
Paper Code: 10133,
Authors: L.W. Gill and C. Price,

Title: An Investigation of Active and Passive Controls
for Reducing Pedestrian Exposure to Air Pollutants in
an Urban Environment
Paper Code: 10145
Authors: J. Gallagher and A. McNabola

Title:A Study On Sola –Thermochemical Reaction,
Paper Code: 1015
Authors: Dr. Jahangir Payamara

14:00 - 14:15	Title: DEVELOPING ENERGY STORAGE & A FUEL CELL SYSTEM IN CONJUNCTION WITH RENEWABLE WIND ENERGY SYSTEMS TO PROVIDE CONSISTENT SUSTAINABLE ENERGY SUPPLY Paper Code: 101225 Authors: James and A. G. Olabi	Title: Oil Sand Tailings Disposal – Filtration and Centrifugation, Paper Code: 10146 Authors: Yuming Xu and Tadek Dabros	Title: Thermal Treatment of Refractory Materials, Paper Code: 1017 Authors: Dr. Jahangir Payamara
14:15 - 14:30	Title: How Sweet It Is... Without the Sugar The Energy and Environmental Impacts of Sugarcane Ethanol Paper Code: 10131 Authors: Roberto Guerrero Compeán	Title: Strategic Assessment of Energy Models Paper Code: 10191C, Authors: Aoife Foley, Brian Ó Gallachóir and Eamon McKeogh	Title: Global Management of Energy for Sustainable development, Paper Code: 1018, Authors: Azim Sahatimehr,
14:30 - 14:45	Title: Improving the Energy Balance in Brewing Industry Using Waste Yeast as an Energy Substrate Paper Code: 10161 Authors: Gregor D. Zupančič, Matej Stražiščar and Miran Klemenčič	Title: Modification of clay aggregate expansion by using aluminium recycling waste as pore formation inhibitor Paper Code: 10148 Authors: D. Bajare and A. Korjakins	Title: APPLICATION OF ABSORPTION HEAT PUMPS IN THE PULP AND PAPER INDUSTRY Paper Code: 10138 Authors: Bahador Bakhtiari, Louis Fradette, Robert Legros and Jean Paris
14:45 - 15:00	Title: Intelligent Energy Management with Data Acquisition and Monitoring, Paper code:101218 Authors: D. Lenihan, J. Walsh and D. Riordan	Title: Glutathione and Glutathione-S-transferase sensitivity in plants as the biomarkers of polluted environment Paper Code: 10149 Authors: Sulata Maity, Joyeeta Bhattacharya and Shibani Chaudhury	Title: A Theoretical Study of Thermal Efficiency of Hydrogen Engine Paper Code: 10142 Authors: Nasser Shaygan
15:00 - 15:15	Title: SUSTAINABILITY OF THE FOREST BIOREFINERY, Paper Code: 101112, Authors: Mariya Marinovaa, Enrique Mateos-Espejelb and Jean Parisb.	Title: UNCONVENTIONAL ENERGY - A ROMANIAN PERSPECTIVE Paper Code: 101118 , Authors: Oroian Ioan, Antonia Odagiu, Ioan Brasovean, Cristian Iederan, Petru Burduhos	Title: Can Plug-in Hybrid-Electric Vehicles address Ireland’s transport emissions? Paper Code: 101102 Authors: William Smith
15:15 - 5:30	Title: Char management strategies for biomass pyrolysis, Paper Code: 101117, Authors: Dr Elisa Lopez-Capel,	Title: A FIRE RISK CACULATION SYSTEM FOR MULTI-PURPOSE BUILDING BASED ON FIRE STATISTICS Paper Code: 10182D, Authors: J.H. Chi, C.T. Chen, S.H. Wu and C.M. Shu	Title: PRACTICAL PERFORMANCE ANALYSIS OF A STAND-ALONE PHOTOVOLTAIC UNINTERRUPTIBLE POWER SUPPLY SYSTEM IN IZMIR-TURKEY Paper Code: 101121,
15:30 -15:45	Coffee Break		
	A2: Chairman: Dr. W. Smith (Room HG20)	B2: Chairman: Dr. D. Kennedy (Room HG22)	C2: Chairman: Prof. G. Hill (Room HG23)

15:45 - 16:00	Title: BIOCONVERSION OF WINERY AND VINE WASTES INTO PROTEIN BIOMASS BY ENHANCED SOLID STATE CULTIVATION OF EDIBLE AND MEDICINAL MUSHROOMS, Paper Code: 101136, Authors: Marian PETRE*, Alexandru TEODORESCU*, Daniela GIOSANU*	Title: The Use of Recycled Glass as a Media for Stratified Glass Filter, Paper Code: 10150, Authors: Mark Murray ,	Title: A Study on Potential Assessment of Concentrating Solar Power in India with an emphasis on India's Opportunity, Paper Code: 101103, Authors: Paritosh Nandi,
16:00 - 16:15	Title: Small-Scale High-Speed Steam Turbine for Distributed Generation from Biofuels, Paper Code: 101199, Authors: miroslav.petrov,	Title: Experimental study of refrigeration cycle performance using environmental friendly refrigerants, Paper Code: 10151, Authors: M.M. Abo Elazm and A.F. Elsafty,	Title: SOLAR THERMAL WATER PUMPS FOR DRIPPING IRRIGATION PURPOSES Paper Code: 101122, Authors: I. ONGUN,
16:15 - 16:30	Title: Quantification of the biomass content of Municipal Solid Waste and Solid Recovered Fuels by means of the measuring of 14C at the plant emission, Paper Code: 10123, Authors: Giovanni Ciceri, Domenico Cipriano, Costanza Scacchi, Battistina Bianchilli and Giorgio Catanzani,	Title: chacterization of the Transmission Loss parameter of a perforated tube muffler through the employment of 1D and 3D Tools, Paper Code: 10162, Authors: D. SIANO and F. AURIEMMA,	Title: Pressure effect on heat transfer in Al nanopowder, Paper Code: 101124, Authors: Mao-Yu Wen and Ching-Yen Ho,
16:30 - 16:45	Title: Carbon Dioxide Neutral, Integrated Biodiesel and Bioethanol Facility, Paper Code: 10119, Authors: Gordon Hill and Erin Powell,	Title: REGIONAL CLIMATE CHANGE IN TURKEY AND NORTH CYPRUS, Paper Code: 10166, Authors: METE TAYANC,HUSEYIN OZDEMIR and FEHMI OKTAY,	Title: Evaluation Optimal Parameters of Using PEM Fuel Cell Module On Toy Train Design, Paper Code: 101139, Authors: P.S. Pa,
16:45 - 17:00	Title: Modeling of Biomass prices in the Czech Republic, Paper Code: 101213, Authors: Kamila Havlíčková, Jaroslav Knápek, Jana Šedivá,	Title: Effect of different carbonization of activated carbon produced from oil palm shell in adsorption of Liquefied Petroleum Gas (LPG), Paper Code: 10172, Authors: M.S. Hadi, Safarudin G. Herawan and Razali bin Avob,	Title: Development of a need-oriented Technology radar for Sustainable Energy Technologies, Paper Code: 101116, Authors: Carmen Dienst; Willington Ortiz and Manfred Fishedick,
17:00 - 17:15	Title: Development of a Theoretical Decoupled Stirling Cycle Engine, Paper Code: 10163, Authors: Barry Cullen and Jim McGovern	Title: From the crisis of the Brazilian electric sector expansion model to the favorable environment for the promotion of renewable technologies - The Wind Energy case, Paper Code: 10177, Authors: Neilton Fidelis da Silva,	Title: The Effect of Diffusion Temperatures on the Detection properties of CdS/p-Si and CdS:In/p-Si Heterojunctions, Paper Code: 101174A, Authors: H.F.Ali 1, E.M.N.Al-Fawade and S.K.J.Al-Ani,
17:15 - 17:30	Title: Sorption Studies of Cyclodextrin Containing Supramolecular-Based Porous Materials, Paper Code: 10168A, Authors: J. H. Kwon, S. M. H. Mohammed, D. Y. Pratt, and L. D. Wilson,	Title: Process optimisation for re-plastic components via statistical experimentation, Paper Code: , Authors: Silvia Tedesco,	Title: Optimization and Feasibility Study of a Solar Thermal Electric System (ST) in Syria, Paper Code: 10113A, Authors: Dr. Ali Shamseen,

17:30 - 17:45	Title: Cyclodextrin-based copolymer microsphere materials, Paper Code: 10168B, Authors: Rui, G.; Fernandez H., and Wilson L. D,	Title: EFFICACY OF ERYTHROPLEUM SUAVEOLENS (POTRODOM) AND DISTEMONANTHUS BENTHAMIANUS (BONSAMDUA) WATER EXTRACTS ON THE DURABILITY OF FIVE SELECTED GHANAIAN LESSER USED TIMBER SPECIE Paper Code: 101161, Authors: Akwasi Asamoah, Kwasi Frimpong-Mensah and Charles Antwi-Boasiako	Title: Optical properties of Anatase TiO ₂ nanocrystalline by Sol-Gel method, Paper Code: 101205, Authors: AlJufairi N,
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Thursday, August 13, 2009

Keynote Address (Chairman Dr. Abdul Ghani Olabi)	
09:00 - 09:50	1- Prof Henrik Lund; Energy Journal Editor from Jan 2009; Wind Energy Chairman Title: "100% Renewable Energy Solutions - form Plan to Realisation"
09:50 - 10:30	2- Prof. Socrates Kaplanis, Solar Energy Chairman, Title: "Energy Performance and Degradation over 20 Years Performance of BP c-Si PV Modules"

A3: Chairman: Dr. D. Timoney (Room HG20)	B3: Chairman: Dr. H. Jouhara (Room HG22)	C3: Chairman: Dr. D. Browne (Room HG23)
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10:30 - 10:45	Title: Micro-tubular SOFC's and stack testing apparatus: To provide a means of developing highly efficient portable and auxiliary power packs for the future., Paper Code: 10110, Authors: Vincent Lawlor, Gerhard Buchinger, Gerald Zauner, Stefan Griessner, Christoph Hochenauer, Abdul G. Olabi and Dieter Meissner.	Title: MODIFIED NATURAL SORBENTS FOR REMOVAL OF RADIONUCLIDES FROM WATER WASTES OF NUCLEAR POWER STATIONS, Paper Code: 10127, Authors: M Sirakanyan,	Title: Optimization Study of a Wind Energy System in two Governorates (Damascus and Lattakia) in Syria, Paper Code: 10113B, Authors: Dr. Ali Shamseen,
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10:45 - 11:00	Title: Biogas Quality Upgrade by Simultaneous Removal of CO ₂ and H ₂ S in a Packed Column Reactor, Paper Code: 10125, Authors: Nakorn Tippayawong and Pakorn Thanompongchart,	Title: EFFECT OF PLASMA TREATMENT ON ENVIRONMENTAL FRIENDLY NATURAL JUTE FIBRE BY OXFORD INSTRUMENT 80 PLUS PLASMA TOOL, Paper Code: , Authors: M. M. Morshed, M. M. Alam and S. M. Daniels.	Title: Energy use, environment and sustainable development Paper Code: 1011 Authors: Abdeen Mustafa Omer
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11:00 - 11:15	Title: Functional organic thin-films for photovoltaic devices, Paper Code: 101145, Authors: Takashi Sagawa, Joachim H. G. Steinke and Susumu Yoshikawa,	Title: Climate Change and Fossil Fuels in Brazil - Perspectives for the Allocation of Oil and Gas Revenues toward the Reduction of CO ₂ Emissions?, Paper Code: 10186, Authors: Benjamin Valle,	Title: QUANTITATIVE RISK ASSESSMENT FOR THE CHEMICAL LEAK HAZARD AND OIL SPILL POLLUTION AT AN INDUSTRIAL HARBOR Paper Code: 10182B, Authors: R.H. Chang, J.M. Tseng, R.L. Yun, T.C. Ho and C.M. Shu
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11:15 - 11:30	Title: Does Czech Support Scheme for RES-E Projects Lead to Effective System Solutions?, Paper Code: 10135, Authors: Jaroslav Knápek and Martin Beneš,	Title: UNCONVENTIONAL ENERGY - A ROMANIAN PERSPECTIVE, Paper Code: 101118, Authors: Oroian Ioan, Antonia Odagiu, Ioan Braşovean, Cristian Iederan and Petru Burduhos,	Title: Study of indoor thermal comfort and daylighting in hot dry climate: simulation of windows and solar protection parameters., Paper Code: 101168, Authors: MAGRI ELOUADJERI Sahar and BOUSSOUALIM-ZEBBICHE Aicha,
11:30 - 11:45	Title: Effectiveness of Biomass Utilization in the Czech Republic, Paper Code: 10136, Authors: Martin Beneš and Jaroslav Knápek,	Title: Climatic Changes for Basin Management Model in the Brazilian Amazon, Paper Code: 101125, Authors: José Antonio Sena do Nascimento and Marcos Aurélio Vasconcelos de Freitas.	Title: The prediction of coating microstructure in plasma spray process, Paper Code: 101184, Authors: ILHEM. KRIB and A. DJEBAILI,
11:45 - 12:00	Title: ECONOMIC AND TECHNICAL FEASIBILITY OF A PHOTOVOLTAIC SYSTEM IN A UNIVERSITY BUILDING, Paper Code: 10165, Authors: ANGELO MILONE , DANIELE MILONE and SALVATORE PITRUZZELLA ,	Title: STUDIES OF SOME BACTERIAL STRAINS ISOLATED FROM OIL POLLUTED NATURAL ENVIRONMENTS, WITH BIODEGRADATIVE APPLICATION POTENTIAL, Paper Code: 101130, Authors: Mugur Ştefănescu, Anca Voicu, and Doina Cîrstea,	Title: ENERGY PRODUCTION WITH COMBUSTION PROCESS FROM MUNICIPAL SOLID WASTE IN TURKEY, Paper Code: 101192, Authors: Mehmet Kurban and Recep Bakis,
12:00 - 12:15	Coffee Break		
	A4: Chairman: Prof. L. Alloca (Room HG20)	B4: Chairman: Dr. A. Robinson (Room HG22)	C4: Chairman: Prof. H. Lund (Room HG23)
12:15 - 12:30	Title: A Review on Perovskite Based Anode Materials for Solid Oxide Fuel Cell Application, Paper Code: 10154, Authors: I. Z. Rahman and M. A. Raza,	Title: Numerical study of the mixture formation process in a four-stroke GDI engine for two-wheels applications, Paper Code: 10188, Authors: M. Costa, U. Sorge and L. Allocca,	Title: Artificial Neural Network Models for Wind Speed Extrapolation , Paper Code: 10159A, Authors: Nawal Cheggaga and Fatiha Youcef Ettoumi ,
12:30 - 12:45	Title: Solution Combustion Synthesis of La _{0.75} Sr _{0.25} Cr _{0.5} Mn _{0.5} O _{3-Δ} Perovskite for Application as SOFC Anode Materials , Paper Code: 10155, Authors: I. Z. Rahman and M. A. Raza,	Title: Study on Lake Izvorul Muntelui rehabilitation, Paper Code: 10195, Authors: Gabriela Elena Dumitran and Liana Ioana Vuta,	Title: Development of an Interactive Learning Method of Neural Networks for Wind Power Forecasting., Paper Code: 10159B, Authors: Nawal Cheggaga and Fatiha Youcef Ettoumi ,
12:45 - 13:00	Title: Analysis of the Overall Efficiency of a PEFC with a Bioethanol-Solar-Reforming System for Individual Houses, Paper Code: 10171, Authors: Shin-ya OBARA,	Title: A REVIEW OF TURBOCOMPOUNDING AND THE CURRENT STATE OF THE ART, Paper Code: 101219, Authors: I.G.M. Thompson ¹ , S.W. Spence ² and C. McCartan,	Title: SIMULATION OF SOLID THERMAL EXPLOSION AND LIQUID THERMAL EXPLOSION OF DICUMYL PEROXIDE USING CALORIMETRIC TECHNIQUE , Paper Code: 10182A, Authors: C.C. Lin, S.H. Wu and C.M. Shu.

13:00 - 13:15	Title: MODELLING OF COMMON RAIL FUEL INJECTION SYSTEM FOR FOUR CYLINDER HYDROGEN FUELED ENGINE, Paper Code: 101185, Authors: Rosli Abu Bakar, Mohammed K. Mohammed and M. M. Rahman,	Title: Application of Me-ferrocyanide modified distended pearlites for treatment of waste water. Cs+radiionuclide removal from waste water of nuclear power stations., Paper Code: 101104, Authors: Varderesyan G Ts. Sirakanyan MA, Gasparyan NK, Markosyan GR and, Vardanyan MG,	Title: NUMERICAL SIMULATION AND KINETIC STUDY OF THE ISOMERISATION REACTION OF ORIENTED POLYACETYLENE FOLLOWED BY RAMAN AND I.R.T.F, Paper Code: 101183, Authors: Z. Skanderi, S. BITAM, and A. Djebaili,
13:15 - 13:30	Title: Theoretical study of the conjugate molecular wires with substituent of different strengths of donor and acceptor functional groups under the interaction of external Electric Field, Paper Code: 101176, Authors: S. BITAM; Y. BOUZAHER; Z. Skanderi and A. Diebaili.	Title: Influence of PV distributed generation on power flow in the host distribution grid, Paper Code: 101106, Authors: Prof. Dr. Ali Hamzeh,	Title: MODULAR WINDOW, a sustainable and industrialized solution Paper Code: 101148, Authors: Marlix Perez, Pilar Oteiza, Dr. architect. César Bedoya, Dr, architect and F. Javier Neila,
13:30 - 13:45	Title: Economic challenges for the future relevance of biofuels in transport in EU-27, Paper Code: 10134, Authors: Amela Ajanovic and Reinhard Haas,	Title: The effect of Pb content and annealing temperatures on optical properties of PbxS1-x films., Paper Code: 101174B, Authors: M.F.A.Alias, E.M.N.Al-Fawade and S. K. J. Al-Ani,	Title: Industrialized Reedbed-macrophytes-floating system for greywater reuse, Paper Code: 101150, Authors: Alberto Gómez-González, F.Javier Neila, César Bedoya-Frutos, Architect. Consuelo Acha-Aladren and Arquitect. Mariana Chanapa.
13:45 - 14:00	Title: Investigation of the suitability of unused fuel tanks for the use as thermal accumulators in district heating, Paper Code: 1016, Authors: Christoph Hochenauer; Vincent Lawlor and Benedikt Linimavr.	Title: Multi-Criteria Optimisation using past, real time and predictive performance benchmarks to deliver optimum building control., Paper Code: 101115, Authors: J. Ignacio Torrens Galdiz,	Title: Constraints on the allocation of spaces in low impact urban development projects integrated with stormwater management in Rio de Janeiro City – Brazil, Paper Code: 101149, Authors: NUNES, Riane T. S.,
14:00 - 14:15	Title: STAND-ALONE PHOTOVOLTAIC HYBRID SYSTEM SIMULATION FOR TROPICAL GREENHOUSE COOLING IN SELANGOR MALAYSIA, Paper Code: 101211, Authors: Faisal Mohammed Seif Al-Shamiry and Desa Ahmad.	Title: Towards a Sustainable Solid Waste Management in a Climatic Risk Era: Challenges and Opportunities in Municipal Solid Waste Management in Ghana Paper Code: 101142 Authors: Hadjor Gifty; Tekpetey Stephen Lartey; Gyampoh Benjamin Apraku	Title: APPLICATIONS ON FIRE DYNAMICS SIMULATOR (FDS) TO VERIFY THE FIRE ACCIDENT OF HYDROPOWER GENERATING PLANT Paper Code: 10182C, Authors: J.H. Chi., C.C. Lee, S.H. Wu, W.H. Lin and C.M. Shu
14:15 - 15:30	Lunch		
15:30 - 19:30	Round Table Session ["Q&A" Keynote Speakers & Delegates]		
19:30	Conference Dinner "Crowne Plaza Hotel, Santry"		
Friday, August 14, 2009			

09:00 - 10:30	Keynote Address (Chairman Dr. Abdul Ghani Olabi)		
09:00- 09:30	1- Prof. Jim McGovern, Chairman in Environment and Sustainable Energy, Title: “The Very Basics of Sustainability—an Alternative Viewpoint”		
09:30 - 10:00	2- Prof Dieter Meissner; European Chairman in Environment and Sustainable Energy, Title: “Monograin Photovoltaics, an option for very low cost very highly efficient solar electricity”		
10:00 - 10:30	3- Prof Michele Dassisti, Chairman on Engineering Sustainability, Title: “Eco-approaches for manufacturing: old concepts for a new era of sustainable technologies?”		
	A5: Chairman: Dr. A.G.Olabi (Room HG20)	B5: Chairman: Prof. M. Dassisti (Room HG22)	C5: Chairman: Prof. S. Kaplanis (Room HG23)
10:30 - 10:45	Title: Comparative Analysis of the EIA System of Developed and Developing Countries: Cases Hydroelectric Power Plants, Paper Code: 101135, Authors: Abdul-Sattar Nizami, Sverker Molander, Zaki-ul-Zaman Asam and Rashid Rafique.	Title: Plant communities’ distribution in a SE Spain mining area and its relationship to geochemical and physicochemical parameters. , Paper Code: 101164C, Authors: C.I. Aledo, J.M. Peñas, J.M. Gomez-Ros and G. Garcia.	Title: Educating the customers. Experiences on energy education in Cuba, Paper Code: 101198, Authors: Mario Alberto Arrastía Avila,
10:45 - 11:00	Title: A PHYSICOCHEMICAL AND EXERGETIC ANALYSES OF HYDROGEN PRODUCTION UTILIZING GLYCEROL, Paper Code: 101143, Authors: Antonio Carlos Caetano de Souza,	Title: Remediation of mining areas prior to energetic or public facilities, Paper Code: 101164A, Authors: G. Garcia, J.M. Peñas, J.M. Gomez-Ros and C.I. Aledo,	Title: POLICIES FOR HEADING TOWARDS SUSTAINABLE ENERGY SYSTEMS , Paper Code: 10143, Authors: Reinhard Haas, Amela Ajanovic, Lukas Kranzl, Andreas Müller, Christian Panzer and Gustav Resch,
11:00 - 11:15	Title: Experimental and Economic Study of Aluminium-Gallium Alloys as a Fuel/Catalyst for Hydrogen Propulsion, Paper Code: 101212, Authors: E. Keane, D.J. Browne and A.J. Carr,	Title: Hazards associated to metal mining areas and the use of biomass for reclaiming degraded areas, Paper Code: 101164B, Authors: J.M. Peñas, G. Garcia, J.M. Gomez-Ros and J.I. Manteca,	Title: Critical Analyses of Energy Poverty in Brazil, Paper Code: 10152, Authors: Giannini Pereira,
11:15 - 11:30	Coffee Break		
	A6: Chairman: Dr. S. Naher (Room HG20)	B6: Chairman: Dr. D. Timoney (Room HG22)	C6: Chairman: Dr. W. Smith (Room HG23)
11:30 - 11:45	Title: High Speed Gearbox Design Optimization for Wind Energy Conversion System, Paper Code: 1012, Authors: A.H. Elkholy and A.H. Falah,	Title: Comparison between measured and estimated vehicle emissions from road transport, Paper Code: 101224 , Authors: Hussam Achour and A. G. Olabi,	Title: Indicator of Rural Development (IRD): An Instrument for Monitoring and Evaluation of Socio-Energy Results on Public Policies for Rural Electrification in Brazil, Paper Code: 10153, Authors: Marcio Giannini Pereira, Cristiane Farias Camacho, Luciana Rocha Leal da Paz and Alexia de Freitas Rodr

11:45 - 12:00	Title: Analysis of Three Selected Design Parameters related to a Fixed-pitch Straight-Bladed Vertical Axis Wind Turbine, Paper Code: 10118, Authors: Mazharul Islam, Khaled M. ALMohammadi and Yasir M. Shariff.	Title: Influence of urban form parameters on microclimatic conditions in old desert cities.Case of Beni Isguen city (Algeria), Paper Code: 101167, Authors: Moussadek Djenane1 and Abdallah Farhi2,	Title: Renewable Energy policy development in Iran, Paper Code: 10173, Authors: Naser Bagheri Moghaddam, Seyed Moslem Moosavi and Mahdi Nadri Pari,
12:00 - 12:15	Title: ENERGY POTENTIAL FROM OFF-SHORE WIND FARM IN THE MEDITERRANEAN SEA, Paper Code: 10137, Authors: F. Ruggiero ,, M. Trovato, , M. Di Corato, G. Forte,	Title: Experimental Study of Loop Heat Pipes Used in Air-To-Air Heat Exchanger for Energy Recovery in Air Handling Units, Paper Code: 101175, Authors: Hussam Jouhara, Guillaume Godfrin, Julien Perez and Richard Meskimmon.	Title: Review and Comparison of Common Planning Approaches in Energy Sector, Paper Code: 10174, Authors: Seyed Moslem Moosavi , Naser Bagheri Moghaddam and Ali Taghavi,
12:15 - 12:30	Title: On Solar Powered Small-Scale Businesses in Ikeja-Nigeria, Paper Code: 101204, Authors: M. A. C. Chendo and N. E. Erusiafe,	Title: The comparative study of the ozonisation of different polymers, Paper Code: 101177, Authors: A. lakhzoum; Y. BOUZAHER; A. SERDANI; A. DJEBAILI,	Title: THERMAL EXPLOSION ANALYSIS OF TERT-BUTYL PEROXIDE BY CALORIMETRIC TECHNOLOGY AND MATHEMATICAL MODEL DEVELOPMENT Paper Code: 10182F Authors: Chung-Hwei Su, Sun-Ju Shen, Sheng-Hung Wu, Chi-Min Shu
12:30 - 12:45	Title: Energy, environment and sustainable development in Tibet: Issues and perspectives, Paper Code: 101186, Authors: Gang Liu , Mario Lucas, Lei Shen and Tingting Feng ,	Title: Dietary Exposure to Pesticides from Vegetables among Adults in the Farming Community of Akumadan, Ghana, Paper Code: 101178, Authors: W. J. Ntow, P. Kelderman, P. Drechsel4, D. Carboo, V. K. Nartey, H. J. Giizen..	Title: The National Energy Balance as planning and forecasting, assessments of pollution in a country., Paper Code: 101173, Authors: Abreu Y.V.,
12:45 - 13:00	Title: Population Growth, Economic and Industrial Development, and Environmental Protection, Paper Code: 101127, Authors: Khalid Al-Rawahy,	Title: Application of acoustic wave to remove nanometics particles, Paper Code: 101182, Authors: A. Sadigzadeh, and M. Parchami,	ENVIRONMENTAL BENCHMARKING: A NEW MODEL FOR ITALIAN AND ALBANIAN ENTERPRISES M. Dassisti, L. Ranieri, R.Giannoccaro and F.Misceo
13:00 - 14:00	Lunch		
	A7: Chairman: Prof. I. Ashour (Room HG20)	B7: Chairman: Prof. M. Abounaga (Room HG22)	C7: Chairman: Dr. P. MacArtin (Room HG23)
14:00 - 14:15	Title: An overview on Sustainable Cities with emphasis on Dubai, UAE, Paper Code: 101157, Authors: Mohsen M. Abounaga,	Title: Optimizing the Energy Efficiency of Wastewater Treatment – Study of Autothermal Thermophilic Aerobic Digestion, Paper Code: 101187, Authors: Jaime Rojas Hernández and Toshko Zhelev,	Title: Ford Otosan Case Study: An Application of Technology Development Envelope Methodology to Evaluate Future Powertrain Systems, Paper Code: 10197, Authors: Irmak KOCKAN, A. Murat YILDIRIM, Tugru DAIM and Metin ERGENEMAN.

14:15 - 14:30	Title: The development of a unique continuously regenerating diesel engine after-treatment system, Paper Code: 10115, Authors: Edward A. Mirosh,	Title: Removal of mercury from aqueous solutions by PTPS fly ash, Paper Code: 101189, Authors: Y.C. Sharma,	Title: Policy making for fostering wind industry development – the case of wind sector in Iran, Paper Code: 101100, Authors: Seyyed Moslem Mousav Naser Bagheri Moghaddami,
14:30 - 14:45	Title: Remarkable Improvement of NO _x -PM Trade-off in a Diesel Engine by means of Bio-ethanol and EGR, Paper Code: 10156, Authors: Masahiro ISHIDA, Shohei YAMAMOTO, Hironobu UEKI and Daisaku SAKAGUCHI,	Title: OVERVIEW OF CURRENT KNOWLEDGE OF THE RATING SYSTEM OF GREEN BUILDING IN FORTALEZA, BRAZIL, Paper Code: 101196, Authors: Flavianne Rodrigues de Oliveira, Karoline Cordeiro de Andrade, Natasha Maria Catunda Torres Mota, Nayana Helena Barbosa de Castro, Sofia Carvalho Cavalcante and Tomaz Nunes Cavalcante Neto	Title: Renewable Energy Sources: Capacities, Targets, Environmental Issues and Policies in Cyprus, Paper Code: 101128, Authors: Solon Kassinis,
14:45 - 15:00	Title: Effect of exhaust gas recirculation on performance and emission parameters of a DI diesel engine running on Tyre pyrolysis oil diesel fuel blend, Paper Code: 101101, Authors: S.Murugan,	Title: Temporal variation and spatial distribution of greenhouse gas emissions from on-road vehicles in China, Paper Code: 101132, Authors: Hao Cai,	Title: THERMAL SENSITIVITY OF WET-TYPE FIRE SUPPRESSION SPRINKLERS SYSTEM TECHNIQUE Paper Code: 10182E Authors: C.H. Su, S.J. Shen, S.H. Wu and C.M. Shu
15:00 - 15:15	Title: Performance of Direct Injection Compression Ignition engine with cotton seed oil biodiesel , Paper Code: 101137, Authors: Ejaz M Shahid and Younis Jamal,	Title: An Environmental Assessment Case Study - The Red River Floodway Expansion Project, Paper Code: 10178, Authors: Douglas McNeil,	Title: Computer simulation of a biomass gasification-solid oxide fuel cell power system using Aspen Plus, Paper Code: 10175, Authors: Wayne Doherty, Anthony Reynolds and David Kennedy,
15:15 - 15:30	Title: The effects of catalyst contact model on the pyrolysis of high density polyethylene in producing liquid fuel, Paper Code: 101141, Authors: Lianguang Tang, Ali A. Rownaghi, Wei-Lit Choo and Sankar Bhattacharya,	Title: Energy Management: Assessment and Conservation at University of Louisiana at Lafayette, Paper Code: 101202, Authors: Satish Kumar Tyagi,	Title: Combined experimental and numerical characterization of high-pressure multi-hole GDI injectors, Paper Code: 101165, Authors: L. Allocca, S. Fontanesi, S. Malaguti and G. Valentino,
15:30 - 15:45	Title: Economizing Energy in Metal Casting, Paper Code: 10199, Authors: G. L. Datta,	Title: Responses of Terrestrial Ecosystem to Simulated CO ₂ Gas Leaks from Geological Storage Sites, Paper Code: 10140, Authors: R.H. Patil, K.L. Smith, M.D. Steven and J.J. Colls,	Title: An Holistic approach to the Design and Simulation of Intelligent Building Control Systems , Paper Code: 101179, Authors: John Counsell ¹ , Yousaf Khalid ² ,
15:45 - 16:00	Coffee Break		
	A8:Chairman: Prof. F. Diko (Room HG20)	B8: Chairman: Dr. D. McNeil (Room HG22)	C8: Chairman: Dr. D. Brabazon (Room HG23)

16:00 - 16:15	Title: PALM OIL AS A SUSTAINABLE ENERGY ALTERNATIVE IN DEGRADED AREAS OF THE AMAZON REGION, Paper Code: 101154, Authors: Alberto Villela.	Title: LIFE CYCLE ASSESSMENT OF ELECTRICITY PRODUCTION FROM NATURAL GAS COMBINED CYCLE, Paper Code: 101223 Authors: Müfide Banar and Zerrin Cokavgil	Title: Electric Buses - new developments in power train engineering and storage technology, Paper Code: 10120, Authors: Reinhart Kühne and German Aerospace ,
16:15 - 16:30	Title: Biodegradation of Crude Oil and Phenol by a Biosurfactant Producing Consortia Culture, Paper Code: 101158, Authors: Wong Kok Kee, Brid Quilty and Salmijah Surif,	Title: SUSTAINABLE MANUFACTURING OF COMPOSITE PALLET BLOCKS USING WASTE WOOD AND TYRE-DERIVED MATERIALS , Paper Code: 101220, Authors: A. Dimache, D. Kearney and P. Donohoe,	Title: Evaluation of Waste Thermal Energy Storage and Recovery for a Hydrogen Mediator System, Paper Code: 10169, Authors: Bailey, JM, Davidson, A, Smith, GR and Cotton JS,
16:30 - 16:45	Title: A Unique Efficient and Effective Diesel Engine Exhaust After-treatment System for Heavy Duty Vehicles, Paper Code: 101169, Authors: E.A. Mirosh, James Yuan and Matt Crane,	Title: The Egyptian Food Subsidies System An Economic Evaluation Paper Code: 101129 Authors: Dina Abdel Moneim Rady	Title: EDLC supercaps and their competitors , Paper Code: 101111, Authors: Vít Bršlica,
16:45 - 17:00	Title: Heat Pipe-Based Radiator for Low Grade Geothermal Energy Conversion in Domestic Space Heating, Paper Code: 10167, Authors: K. Kerrigan, H. Jouhara, G.E. O'Donnell and A. J. Robinson.	Title: experimental investigation of Phenol removal from refinery synthetic wastewater, Paper Code: 101214, Authors: I. Ashour, J. Naser ¹ , F. Sawalha, and M. Maraqah,	Title: APPLICATION OF ELECTROCHEMICAL IMPEDANCE SPECTROSCOPY TO LITHIUM OXYGEN BATTERIES, Paper Code: 101126, Authors: Mojtaba Mirzaeian and Peter J Hall,
17:00 - 17:15	Title: Reductive Treatment of Polychlorinated Biphenyls in Soil by Zero-Valent Iron under Subcritical Conditions: A pilot scale study, Paper Code: 10192, Authors: Chang-Hoon.	Title: Pre-treatment of de-watered pig manure to enhance methane yield in anaerobic plants, Paper Code: 101133, Authors: Rashad Rafique, Tjalfe Gorm Poulsen, Abdul-Sattar Nizami and Zaki-ul-Zaman Asam.	Title: Phase Change Material Capsules for Thermal Storage Purpose in Housing Paper Code: 101147 Authors: M.C. Hernández-Martínez, C. Montejó, J. Neila and C. Bedova-Frutos
17:15 - 17:30	Title: Lighting the Himalayan households with WLED based PV lighting systems: Nepalese Experience, Paper Code: 10196, Authors: Subedi Niraj and Munankami Rajeev,	Title: Optimization of Biogas Plants using Energy Crops and Manure Separation Technologies, Paper Code: 101134, Authors: Zaki-ul-Zaman Asam, Tjalfe Gorm Poulsen, Abdul-Sattar Nizami and Rashad Rafique,	Title: Application of Solar Energy to Generate Electricity and to Avoid Environmental Pollution Paper Code: 10170 Authors: M. M. Haque and Ahmad F. Ismail

Saturday, August 15, 2009

Poster Session Coordinated by Dr K. BenYounis

Closing

