



Under the Patronage of His Excellency the Minister of Water and Irrigation

Dr. Hazim El-Naser

International Conference on Energy, Water & Environment

ICEWE 2013

Zarqa, Jordan, April 21-23, 2013

Venue: Modar Badran Theater- Faculty of Engineering

Hashemite University



Day 1, Sunday, April 21, 2013

08:00-09:30	Registration
09:30-10:30	Opening ceremony Citations from The Holly Quran – Jordan National Anthem Dr. Shaher Rababh (Dean of Engineering & Conference chair) Welcoming Speech Prof. Mousa Mohsen (Conference Chair) Prof. Kamal Al-Din Bani Hani (President of the Hashemite University) Speech His Excellency the Minister of Water and Irrigation Dr. Hazim El-Naser Speech
10:30-10:45	Honoring Participating companies and winning projects of the annual graduation projects competition
10:45-11:45	Opening students graduation projects symposium and the Industrial showcase
11:45-12:15	Coffee Break
12:15-13:00	Key note speaker (Ryo Samuel Amano)
13:00-13:45	Key note speaker: Amine Bermak Smart Multi-Sensing Platform for Environmental Applications
13:45-14:40	Lunch
14:40-15:00	Abdul Hai Alami, United Arab Emirates Mechanical and Thermal Properties of Solid Waste-Based Clay Composites Utilized as Insulating Materials
15:00-15:20	Mahmoud Shatat, Saffa Riffat , Mark Worall, UK Experimental Investigation of A Novel Solar Powered Psychometric Low Grade Water Desalination System
15:20-15:40	Bilal Akash, Oman Thermochemical Depolymerization of Biomass
15:40-16:00	Anthony Ayoola, United Arab Emirates Knowledge-Managing Sustainable Energy Schemes - A Systemic Approach
16:00-16:20	Mahmoud Ali Hassan, Egypt Effect of Glass Color on Energy Savings in Buildings
16:20-16:40	Salah Abdallah, Essam Yousef, Mohammad Katab, Essam Abdallah, Saudi Arabia The effect of PH on the hydrogen and oxygen production using photovoltaic power generator
16:40-17:00	Bashar K. Hammad, Mohammad A. Al-Abed, Ahmed M. Al-Ghandoor, Shaher M. Rababeh, Jordan Analysis of On-Grid Thin-Film Photovoltaic Solar Car Parking
End of 1st Day	

Day 2, Monday, April 22, 2013

09:30-10:00	Key note speaker, Monther Hadadeen Water Scarcity in Jordan: Analytical Study
10:00-10:30	Key note speaker, Odeh Al-Jayyousi Social Policy and Implications for Sustainable Development- The Case of Jordan
10:30-11:00	Key note speaker, Mahmoud Hammad Using Solar Energy: Worldwide Overview
11:00-11:30	Coffee Break
11:30-11:50	Salah Abdallah, Essam Yousef, Mohammad Katab, Essam Abdallah, Saudi Arabia The effect of TDS on the hydrogen and oxygen production using photovoltaic power generation system
11:50-12:10	Hussain A. Attia, Beza Negash Getu, United Arab Emirates Design & Simulation of a Solar Tracking System for Optimum Energy Absorption
12:10-12:30	Mohammed Awwad Al-Dabbas Ammar A. Al-Rousan, Jordan The Performance Of Introducing HHO Gas Into Intake Manifold Diesel Engine
12:30-12:50	Mofreh M. Nassief, Egypt Evaluation of electricity consumption of a residential flat in Egypt.
12:50-13:10	"Moh'd Sami" S. Ashhab, Adnan Mukattash, Salem Nijmeh, Ahmad Ghandoor and Khaled Aamar, Jordan Double Axis Solar Tracking System Mechanical Design and Control
13:10-13:30	Mohammad S. Widyand and Awni H. Itradat, Jordan Dynamic and Steady-State Operational Performance of Hybrid Powered DC Shunt Motor via PM and PV Generators with MPPT for Pumping Applications
13:30-14:30	Lunch
14:30-14:50	Amer Alsaraira, Thakir Almomani, Loay Al-Zube, Jordan Assessment of medical waste protocols in Jordan: management and collection
14:50-15:10	Hussain A. Attia, Beza Negash Getu, Hasan Ghadban, Ahmed K. Abu Mustafa, United Arab Emirates Portable Solar Charger with Controlled Charging Current for Mobile Phone Devices
14:50-15:10	Walid Shahin, Muhieddin Tawalbeh, Jordan Street Lighting Energy Saving in Jordan
15:10-15:30	Sameh Alsaqoor, Mousa Gougazeh, Jordan Mineralization of Solid and Semi-Solid Organic Waste
15:30-15:50	Alkhalidi, A., Zurigat, Y., Dawoud, B., Aldoss, T. and Theodoridis, G, Jordan Condenser Design for Greenhouse Desalination
15:50-16:10	Neama A. Reiad , Omar E. Abdelsalam, Ehab F. Abadir, Farid A. Harraz , Egypt Preparation, Characterization and Application of Chitosan/ Polyethylene Glycol Blend Film for Removal of Iron from Water.
End of 2nd Day	

Day 3, Tuesday, April 23, 2013

09:30-10:00	Key note speaker	
10:00-10:30	Key note speaker, Yousef S.H. Najjar Performance analysis of green engine- driven systems for space cooling	
10:30-11:00	Coffee Break	
	Session A	Session B
11:00-11:20	Nidal Abdalla, Jordan Validated TRNSYS Model for Solar Assisted Space Heating System	Mohammad Qandil, Mohammad Dweri, Ahmed Abbas, Jordan Energy Audit for the Administration Building in Faculty of Engineering Technology – BAU
11:20-11:40	M. Tarawneh, Jordan Performance Study on the Evaporation of Low Temperature Refrigerant Blends with Super Heating	M. Juaidy, Jordan Case study: Feasibility of improved thermal insulation in high rise residential buildings in Jordan
11:40-12:00	Sherif A. Sheta, Egypt Combined Energy-Water-Food (EWF) Procession: Project-based Approach to the Sustainable Development of North-Sinai Settlements	Ahmad. S. Awad, Jordan An Approximate Analytical Solution to Temperature Profiles In A Stratified Ventilated Environment
12:00-12:20	Omar Badran, Nabil Beithou, Aiman Al Alawin, Ahmad Awad, Yaser Abdelhadi, Anwar Al-Mofleh, Jordan Experimental Study of a Vacuumed Solar Still System	M. Tarawneh, Jordan Air conditioning by direct use of geothermal energy
12:20-12:40	Coffee Break	
	Yousef S.H. Najjar, Ghassan M.Tashtoush, Jordan Performance analysis of green engine- driven systems for space cooling	Ahmad. S. Awad , Omar Badran , Raj Calay , Arne Holdo, Jordan Smoke Flow Behavior across a Stratified Flow
12:40-13:00	M. H. Abderrazzaq , I. Etier and M. AlBdour, Jordan The impact of large scale photovoltaic systems on the harmonic increase in distribution networks	Baha Mohsen, USA Legal Aspects of Wind Power Generation
13:00-13:20	Ahmad Awad, Omar Badran, Nabil Beithou, Aiman Al Alawin, Yaser Abdelhadi, Anwar Al-Mofleh, Jordan Experimental Study of a Vacuumed Solar Still System	Samer Zawaydeh, Jordan Jordanian Thermal Insulation Code Requirements versus Current Practices in the Design and Construction of Buildings
13:20-13:40	Ramzi H. Bataineh, Iraq The Environmental Impact Assessment (EIA) Follow-up System: A Comparative Study of the Onshore Oil and Gas Drilling Between Oman and Iraq	Rajni Mathur, Pradeep Trevidi, India Quantitative Assessment of ground water as a media for mineral exploration in arid and semi-arid region
13:40-14:00	Kutaeba J.M. AL-Khishali, Yousef S.H. Najjar, Osama H. Ghazal, Jordan Effect of inlet value variable timing in the spark ignition engine on achieving greener transport	I. Aleknaviute, T. G. Karayiannis, M. W. Collins and C. Xanthos, UK Towards a clean and sustainable distributed energy: The potential of integrated PEMFC-CHP
14:00-15:00	Lunch & End of 3rd Day	

