382nd OMICS International Conference

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Scientific Program

International Conference on

GREEN ENERGY & EXPO

September 21-23, 2015 Orlando, USA



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International Conference on GREEN ENERGY & EXPO

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Scientific Program

Day 1 September 21, 2015

08:30-09:30 **Registrations**

Mirabel-Kaitak

09:30-09:50 **Opening Ceremony**

Keynote Forum	
09:50-10:00	**Introduction**
10:00-10:30	**Sven Erik Jørgensen** Copenhagen University, Denmark
10:30-11:00	**Book Release: Flourishing Within Limits to Growth- Sven Erik Jørgensen**
Group Photo	
Networking & Refreshment Break @ Foyer 11:00-11:20	
11:20-11:50	**Jagannadh Satyavolu** University of Louisville, USA
11:50-12:20	**Chris Castro** Ideas for Us, USA
Track 1: Renewable Energy Systems & Sources-Industrial Applications Track 6: Energy and Environment Track 9 : Energy Solutions and Facts	
Session Chair: Sven Erik Jørgensen, Copenhagen University, Denmark **Session Co-chair: Tobias Richards,** University of Borås, Sweden	
Session Introduction	
12:20-12:40	**Opportunities for thermal waste treatment** **Tobias Richards,** University of Borås, Sweden
Lunch Break @ Lobby East 12:40-13:25	
13:25-13:45	***Camelina sativa*: A promising cost-effective crop for biofuel feedstock; testing the optimization of camelina farming in Romania** **Ana Rosu,** University of Agronomical Sciences and Veterinary Medicine, Romania
13:45-14:05	**Prometheus project: Using a plasma reactor for reforming gas of bio digesters with carbon sequestration and hydrogen use for treatment of sewage and cogeneration of energy** **André Pedral Sampaio de Sena,** APOLLO Research Group Sustainable Technology, Brazil
14:05-14:25	**Design of thermal boost chopper for power-amplification control of thermoacoustic engines via thermal-inertia materials** **Boe-Shong Hong,** National Chung Cheng University, Taiwan
14:25-14:45	**Sustainable waste conversion to biogas through anaerobic digestion of cassava biomass in South Africa** **Vincent Okudoh,** Cape Peninsula University of Technology, South Africa
14:45-15:05	**Chiron Project: Reform of methane from a cold plasma reactor with hydrogen production and energy for desalination cogeneration** **Ailton de Silveira Junior,** APOLLO Research Group Sustainable Technology, Brazil
15:05-15:25	**Sustainability & green energy** **Wafik Noseir,** Egyptian Modern Center, Egypt

15:25-15:45	**The effect of fossil fuel on wildlife in Africa**
	Ndip Esaka Emmanuel, The Environment and Rural Development Foundation, Cameroon
	Networking & Refreshment Break @ Foyer 15:45-16:05
16:05-16:25	**Rainfall Parameters and Distribution using Analytical Probabilistic Method for Klang Valley, Malaysia**
	Supiah Shamsudin, Universiti Teknologi Malaysia Kuala Lumpur, Malaysia
16:25-16:45	**Production and evaluation of alternative fuels from cassava peels**
	Kuye S I, Federal University of Agriculture, Nigeria
16:45-17:05	**Soil treatment technology selection and management process**
	Mansour Al-Khareji, Kuwait Oil Company, Kuwait
17:05-17:25	**Studies on engine performance and emissions of high viscosity biodiesel Oils**
	Francisco Murilo Tavares De Luna, Universidade Federal do Ceara, Brazil
17:25-17:45	**Experimental investigation of the effect of antioxidant into biodiesel in a compression ignition engine**
	M A Kalam, University of Malaya, Malaysia
	Panel Discussion

Day 2	**September 22, 2015**
	Mirabel-Kaitak
	Keynote Forum
08:30-09:00	**Registrations**
09:00-09:30	**G N Tiwari**
	Indian Institute of Technology-Delhi, India
Track 2: Renewable Energy Systems & Sources (RESS) Track 6: Energy Network Track 3: Energy Storage	
Session Chair: G N Tiwari, Indian Institute of Technology-Delhi, India **Session Co-chair: Ana Rosu,** University of Agronomical Sciences and Veterinary Medicine, Romania	
	Session Introduction
09:30-09:50	**Annual performance of partially covered photovoltaic thermal flat plate collectors connected in series**
	G N Tiwari, Indian Institute of Technology-Delhi, India
09:50-10:10	**Geothermal and hydrocarbon implications of curie point depths determined from spectral analysis of high resolution aeromagnetic data over parts of Chad basin, Nigeria**
	Godwin Onyedim, Federal University Otuoke, Nigeria
10:10-10:30	**Energy matrices and carbon credit earned for a semitransparent photovoltaic thermal (SPVT) water collector under constant collection temperature mode**
	R K Mishra, Hi-Tech Institute of Engineering and Technology, India
10:30-10:50	**Design of an automated solar reactor for the pyrolysis of waste rubber to fuel and petrochemicals**
	Joseph Zeaiter, American University of Beirut, Lebanon
	Networking & Refreshment Break @ Foyer 10:50-11:10
11:10-11:30	**The gasoline equivalent fuel economy of the electric vehicles**
	Youngmin Woo, Korea Institute of Energy Research, Korea
11:30-11:50	**Li4Ti5O12 based material as high performance electrode for lithium ion batteries and hybrid supercapacitor**
	Jae Hyun Kim, Daegu Gyeongbuk Institute of Science & Technology, Republic of Korea
11:50-12:10	**Esterification of palm fatty acid distillate using organophosphonic acid-functionalised rice husk silica**
	Gaanty Pragas Maniam, Universiti Malaysia Pahang, Malaysia
12:10-12:30	**Co-densification of coating sludge as alternative energy source**
	Edith I Madukasi, Federal Institute of Industrial Research Oshodi, Nigeria
	Young Research Forum

12:30-12:50	**Exergy Analysis of an inverted photovoltaic thermal compound parabolic concentrator (IPVT-CPC) water collector**
	Deepali Atheaya, Indian Institute of Technology-Delhi, India
12:50-13:10	**Design and performance evaluation of a virtual grid-connected photovoltaic system in Indian climatic conditions**
	Arjun Deo, Indian Institute of Technology-Delhi, India
	Lunch Break @ Lobby East 13:10-13:55
13:55-14:15	**Exergy analysis of flat plate collector integrated biogas plant**
	Jasleen Bhatti, Indian Institute of Technology-Delhi, India
14:15:14:35	**Hydrothermal carbonization of olive mill waste: Effect of the olive oil load on the hydrochar properties**
	Verónica Benavente, University of Alicante, Spain
14:35-14:55	**Comparative study of dilute acid pretreatment techniques for fermentable sugar production from sugarcane leaves (Saccharum officinarum)**
	Preshanthan Moodley, University of KwaZulu-Natal, South Africa
14:55-15:15	**Lignocellulosic residues and its viability as a green source for biogas generation**
	Diana Sánchez-Herrera, Universidad Veracruzana, México
15:15-15:35	**Global and local emissions of a biogas plant considering the production of biomethane as an alternative end-use solution**
	Marco Ravina, Politecnico di Torino, Italy
15:35-15:55	**Hydrogen production from EDTA-2Na by Pt/N-TiO2/cubic SrTiO3/TiO2 tube multi-junction photocatalyst under simulated sunlight irradiation**
	En-Chin Su, National Chung Hsing University, Taiwan
	Networking & Refreshment Break @ Foyer 15:55-16:15
16:15-16:35	**Fuzzy logic controller for a photovoltaic system with a SEPIC converter**
	Meryem Oudda, Université TAHRI Mohamed - Bechar, Algeria
16:35-16:55	**The role of kesterite materials in the second generation of solar cells**
	Maykel Courel-Piedrahita, National Polytechnic Institute, Mexico
	Panel Discussion
	Poster Presentations @ Foyer 17:00-18:00

Day 3 September 23, 2015	
Mirabel-Kaitak	
Track 4: Energy Conservation and Architecture Track 7: New Trends and Technologies for RESS Track 8 : Agricultural Sustainability Track 10 : Nanotechnology	
Session Chair: Sven Erik Jørgensen,Copenhagen University, Denmark **Session Co-chair: André Pedral Sampaio,** APOLLO Research Group Sustainable Technology, Brazil	
	Session Introduction
09:00-09:20	**Application of ecological models for assessment of sustainability**
	Sven Erik Jørgensen, Copenhagen University, Denmark
09:20-09:40	**Artemis project: Electric 100% carbon free to be built at the Amazon forest**
	André Pedral Sampaio de Sena, APOLLO Research Group Sustainable Technology, Brazil
09:40-10:00	**Conversion of olive stones and dates pits to fermentable sugars using ammonia and dilute acids**
	Joseph Zeaiter, The American University of Beirut, Beirut
10:00-10:20	**Robust and adaptive pid control design for stabilization of interconnected smart power system with high penetration of renewable energy**
	Cuk Supriyadi Ali Nandar, Center for Technology of Manufacturing Industry, Indonesia
	Networking & Refreshment Break @ Foyer 10:20-10:40

10:40-11:00	**Integrating root crops with animal husbandry for providing renewable energy in rural remote regions**
	Yudi Widodo, Indonesian Legume and Tuber Crops Research Institute (ILETRI), Indonesia
11:00-11:20	**From waste to renewable energy: The significant contribution of green innovation for rural community**
	Sismudjito, North Sumatera State University, Indonesia
11:20-11:40	**Particle size effect on thermal conductivity of nano-engineered fluids**
	Mohammadreza Behi, The University of Sydney, Australia
11:40-12:00	**Enhanced hematite-based photoelectrochemical water splitting by comparing coating and doping methods**
	Aryan Azad, Sejong University, South Korea
12:00-12:20	**SOTHPUWI: Solar tracker of high precision using web cam and control interface**
	Rafael Sánchez Solano, CINVESTAV-IPN, México
Panel Discussion	
Award Ceremony	
Lunch Break @ Lobby East 12:20-13.05	
Poster Presentations @ Foyer	
P-01	**Development of green template for building life cycle assessment using building information modeling**
	Sung Ho Tae, Hanyang University Erica, South Korea
P-02	**Identifying and classifying pollution hotspots to guide watershed management in a large agricultural multiuse watershed**
	Fangli Su, Shenyang Agricultural University, China
P-03	**Biomass energy recovery by linkage of waste incinerators and sewage treatment plants**
	Noboru Yoshida, Wakayama University, Japan
P-04	**Purification of Pb in pulping wastewater by reed wetland ecosystem**
	Chengjiu Guo, Shenyang Agricultural University, China
P-05	**Effect of irrigation with paper making wastewater on heavy metals in wetland soil and the tread assessment**
	Lifeng Li, Shenyang Agricultural University, China
P-06	**Effects of paper mill wastewater on seedling growth and the antioxidant system of reeds**
	Haifu Li, Shenyang Agricultural University, China
P-07	**Impact on vegetables irrigated with municipal and industrial wastewater from Korangi drain near IOBM, Karachi**
	Nida Rabab, Institute of Business Management, Pakistan
P-08	**Clay nanosheets in skeletons of controlled phase inversion separators for thermally stable Li-ion batteries**
	Jong Hyeok Park, Yonsei University, Republic of Korea

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