Joint Event

conferenceseries LLC Ltd

2nd International Conference on

Energy Materials and Fuel Cell Research

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2nd International Conference on

Renewable Energy and Resources

World Energy Congress 2018

August 27-28, 2018 | Boston, USA

Tentative Program

****Note: This Program has been designed with the tentative schedule and timings. Dates and timings in this Program are subject to change at any time**

Day 1 August 27, 2018 @ Charles Ballroom A	
08:00-09:00	**Registrations**
08:30-08:50	**Opening Ceremony & Introduction**
Plenary & Keynote Talks @ Charles Ballroom A	
08:50-09:20	**Title:** Recent advances in wind turbine technologies and sensing for structural health monitoring
	Christopher Niezrecki, University of Massachusetts Lowell, USA
09:20-10:00	**Title:** PV as a major contributor to the 100% renewably powered world
	Winfried Hoffmann, Applied Solar Expertise – ASE, Germany
10:00-10:30	**Title:** Carbon nanofiber aggregate sensors for sustaining resilience of nuclear power plants to multi-hazards
	Y.L. Mo, University of Houston, USA
Panel Discussions & Group Photo 10:30-10:40 @ Charles Ballroom A	
Refreshments and Networking Break 10:40-11:00 @ Foyer	
Speakers Session: I @ Charles Ballroom A	
Waste to Energy | Energy Storage and Conservation |Bioenergy and Biotechnology | Green Energy and Economy | Advanced Nanomaterials | Solar Energy | Renewable Energy | Geothermal Energy	
Chair	**Winfried Hoffmann, Applied Solar Expertise – ASE, Germany**
Co-chair	**Kuldip Kumar, Metropolitan Water Reclamation District of Greater Chicago, USA**
11:00-11:25	**Title:** Food and food processing waste to energy: Sustainable energy for Western NY
	Jeff Lodge, Rochester Institute of Technology, USA
11:25-11:50	**Title:** Landscape design strategies for sustainable biomass feedstock supplies
	Douglas L. Karlen, USDA-Agricultural Research Service, USA
11:50-12:15	**Title:** Renewable Revolution: Geothermal Heat Pumps are substantially changing the renewable landscape with thermal energy
	Willem Lange, WaterFront International, USA
12:15-12:40	**Title:** Novel Hybrid-Powered standalone autonomous unmanned aerial vehicle (UAV) ground base station
	Evangelos I. Gkanas, Coventry University, UK
12:40-13:05	**Title:** Community driven initiative to reduce fossil fuel consumption for environmental protection and associated economic benefits
	Sardar Ahsan Younus, MIMDR of USAID/Pakistan Energy Office, Pakistan
Lunch Break 13:05-14:00 @ Foyer	
14:00-14:25	**Roundtable Core Discussion**

14:25-14:50	**Title:** Viscosity modeling and flow properties of non-edible oils as feed-stocks in biodiesel production
	Kenneth Okafor, South Carolina State University, USA
14:50-15:15	**Title:** Pt Nanoparticles onto carbon base substrates as anodic materials for direct alcohol fuel cells
	Beatriz Ruiz Camacho, Guanajuato University, Mexico
15:15-15:40	**Title:** Controlled selectivity via kinetic resolution with transient operation
	Javier Fernandez-Garcia, University of Leeds, UK
Refreshments and Networking Break 15:40-16:00 @ Foyer	
16:00-16:25	**Title:** Thermal performance of the latent heat storage units with aluminium porous structures
	Krzysztof Naplocha, Wroclaw University of Science and Technology, Poland
16:25-16:50	**Title:** From Waste Treatment to Resource Recovery: A Chicago Sustainability Story
	Kuldip Kumar, Metropolitan Water Reclamation District of Greater Chicago, USA
16:50-17:15	**Title:** Effect of storage time on the properties of seeds, oil and biodiesel from Reutealis trisperma
	M. Yusuf Abduh, Bandung Institute of Technology, Indonesia
Panel Discussions 17:15-17:30	
Day 1 Concludes..	

Day 2 August 28, 2018 @ Charles Ballroom A	
8:00-9:00	**Registrations**
Keynote Speech @ Charles Ballroom A	
09:00-09:30	**Title:** Microstructural design in hydrogen fuel generation and storage
	Jerzy A. Szpunar, University of Saskatchewan, Canada
09:30-10:00	**Title:** Geothermal Heat Pumps- Garnering renewed interest from Utilities & Investors as a New Business Model
	John P. DiEnna, Geothermal National & International Initiative, USA
10:00-10:30	**Title:** U.S. Department of Energy Hydrogen and Fuel Cell Technology perspectives
	Eric L. Miller, U.S. Department of Energy, USA
Panel Discussions & Group Photo 10:30-10:40 @ Charles Ballroom A	
Refreshments and Networking Break:10:40-11:00 @ Foyer	
Young Research Forum @ Charles Ballroom A	
Energy Storage & Conservation | Advances in Materials Science and Engineering | Wind Energy | Fuel Cell Materials, Methods & Manufacture | Renewable Energy | Advanced Materials for Energy | Bioenergy & Biotechnology	
Chair	**Not Yet Decided**
11:00-11:20	**Title:** Selection and stability investigations of polymers for latent heat storages
	Helena Weingrill, Montanuniversitaet Leoben, Austria
11:20-11:40	**Title:** Nano-structural design of 1D, 2D, 3D nanoparticles for energy storage devices: Supercapacitor Applications
	Hasi Rani Barai, Yeungnam University, South Korea
11:40-12:00	**Title:** Analysis of wind energy potential: A case study of Kocaeli University Campus
	Ipek Caglayan, Kocaeli University, Turkey
12:00-12:20	**Title:** The development of Sorghum Bran based bio-refinery process
	Oyenike Makanjuola, University of Huddersfield, UK
12:20-12:40	**Title:** The Effect of Different Catalyst Layer Porosity on Proton Exchange Membrane Fuel Cells

	Anil Can Turkmen, Kocaeli University, Turkey
12:40-13:00	**Title:** Thermal properties improvement of column structures formed by nickel Nano-materials in paraffin wax
	Che-Fu Su, University of Massachusetts Lowell, USA
	Lunch Break 13:00-14:00 @ Foyer
14:00-14:20	**Title:** Spatial Agent-based Modeling for Dedicated Energy Crop Adoption and Cellulosic Biofuel Commercialization
	Enze Jin, Purdue University, USA
14:20-14:40	**Title:** Biogas a viable untapped alternative energy for abattoirs of Dar es Salaam
	Ahmed Lubwama, The Open University of Tanzania, Tanzania
	Panel Discussions 14:40-14:50 **Best Presentation Award for YRF**
Speaker Session: II @ Charles Ballroom A	
Renewable Energy | Bioenergy and Biotechnology | Waste to Energy | Solar Energy	
Chair	**Not Yet Decided**
14:50-15:15	**Title:** Overall solar water splitting reactor and plant design towards mass production of H2 and O2
	Taro Yamada, The University of Tokyo and ARPChem, Japan
15:15-15:40	**Title:** Production of hydrogen rich gas from tea waste
	Nezihe Ayas, Anadolu University, Turkey
15:40-16:05	**Title:** Challenges and opportunities facing by China's renewable energy development
	Xiaoli Zhao, China University of Petroleum-Beijing, China
	Coffee Break 16:05- 16:20 @ Foyer
16:20-16:45	**Title:** Earth-Abundant Nanostructured Materials for Efficient Solar Fuel Production
	Nageh K. Allam, The American University in Cairo, Egypt
16:45-17:10	**Title:** Investigations of non-edible seeds oils in comparison with soybean benchmark for production of biodiesel
	Musa B. Danjaji, South Carolina State University, USA
	Panel Discussions 17:10-17:20
Poster Judges: Jeffery Lodge and Beatriz Ruiz	
Poster Presentations 14:00-16:30	
10 minutes for each presentation	
RER-01	**Title:** Investment opportunities and research challenges in the next generation of wind turbines
	Miyako Nakayama, University of Idaho, USA
RER-02	**Title:** Photoelectrochemical materials for sunlight-driven water splitting devices
	Hiroshi Nishiyama, The University of Tokyo, Japan
RER-03	**Title:** Hydrocarbon source potential of Tertiary carbonaceous shale, shale and siltstone of eastern Chenor, Penyu basins, Pahang, Malaysia
	Yousif M. Makeen, University of Malaya, Malaysia
RER-04	**Title:** Study of structure and electro-optical characteristics of indium tin oxide thin films
	Najla Khusayfan, University Of Jeddah, Saudi Arabia
RER-05	**Title:** Thermal, structural and optical investigation of the effect of gamma irradiation in PM-355 nuclear track detector
	Mymona Abutalib, University of Jeddah, Saudi Arabia
EMFC-06	**Title:** K-doped mixed-phase 1D TiO2 nanofibers on Ti foil for electrochemical super capacitor: annealing-free synthesis
	Hasi Rani Barai, Yeungnam University, South Korea
EMFC-07	**Title:** Highly efficient Nano composite electrolyte for quasi-solid-state dye-sensitized solar cells under room light conditions
	Shanmuganathan Venkatesan, National Cheng Kung University, Taiwan

EMFC-08	**Title:** Low cost membrane for efficient microbial fuel cell: power generation and petroleum refinery wastewater treatment
	Shrok Allami, Ministry of Science and Technology, Iraq
EMFC-09	**Title:** Gaint Seebeck coefficient in the microwave sythesised β-Co(OH)2 nanoplatelets for thermoelectric power generators
	Ahmed Alshahrie, King Abdulaziz University, Saudi Arabia
EMFC-10	**Title:** Highly flexible and scalable photo-rechargeable power unit based on symmetrical nanotube arrays
	Fayin Zhang, Donghua University, China
EMFC-11	**Title:** Detection and Application of heavy metal ions in environment and biological cell imaging based on fluorescence probe testing technology
	Gang Zhao, Donghua University, China
EMFC-12	**Title:** Synthesis of amphiphilic fluorescent probe and follow-up imaging of Hg2+ in living cells
	Wei Gang, Donghua University, China
EMFC-13	**Title:** Development of New Bifunctional Dense Ceramic-Carbonate Membrane Reactors for CO Oxidation and Subsequent CO2 Permeation
	Pedro Sánchez-Camacho, Universidad Nacional Autónoma de México (UNAM), Mexico
EMFC-14	**Title:** Diagnosis of Membrane Chemical Degradation for a Health Management System of Polymer Electrolyte Fuel Cells
	Derek Low, Loughborough University, United Kingdom
Best Poster Presentation Award 16:30-16:40	
Day 2 Concludes..	