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Scientific Program

1069th Conference

International Conference on

Renewable Energy and Resources

July 24-25, 2017 Vancouver, Canada

Conference Series LLC Ltd

47 Churchfield Road, London, UK, W3 6AY, Toll Free: +1-800-014-8923

Executive Board Room

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09:30-10:00

Opening Ceremony

Keynote Forum

10:00-10:15 Introduction by Moderator

10:15-10:55 Title: Enhancing renewable energy prospects via hydrogen energy systems

Marc A. Rosen, University of Ontario Institute of Technology, Canada

Networking & Refreshment Break 10:55-11:15 @ Tivoli

11:15-11:55 Title: Building integrated active and passive solar design

Tin-Tai Chow, City University of Hong Kong, China

11:55-12:35 Title: Exergy as measure of sustainability of energy system

Peter Novak, Institute for High-technologies and Systems, Slovenia

Panel Discussion 12:35-12:40

Sessions:

Renewable Energy and Resources | Solar Energy | Wind Energy

Session Chair: Seungbae Lee, Inha University, South Korea

Session Introduction

12:40-13:10 Title: Noise characteristics of small horizontal wind turbine
Seungbae Lee, Inha University, South Korea

Lunch Break 13:10-14:00 @ Tivoli

14:00-14:30 Title: Research and business cases for thin film solar cells: benefit of thinner, cheaper layers and tandem cells
Joop van Deelen, Solliance Solar Research, Netherlands

14:30-15:00 Title: Basic ionic liquid grafted SBA-15/quaternized polysulfone composite membrane for alkaline fuel cell
Dharmalingam Sangeetha, Anna University, India

15:00-15:30 Title: Improved optimization search tool for self-regulating smart distribution system with wind energy integration
Adel Younis, Australian College of Kuwait, Kuwait

15:30-15:50 Title: Heat transfer analysis of single and multiple geothermal heat extraction boreholes, Numerical versus analytical comparison
Ali Fahrettin Kuyuk, University of British Columbia, Canada

Panel Discussion 15:50-15:55

Networking & Refreshment Break 15:55-16:15 @ Tivoli

16:15-16:35 Title: Potential solar and wind power expansion in the New Zealand Network
Mina Bahrami Gholami, University of Auckland Energy Center, New Zealand

16:35-16:55 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

16:55-17:15 Title: Energy demand determinants in Mexican households, 2008-2014
Rafael Perez-Pena, New Mexico State University, USA

17:15-17:35 Title: Kriging-Bat design optimization algorithm for floating offshore wind turbine support structures
Abdulbaset Saad, University of Victoria, Canada

Panel Discussion 17:35-17:40

Executive Board Room

Keynote Forum

10:00-10:15 Introduction

10:15-10:55 Title: Photocatalytic fuel cell for wastewater treatment and recovery of energy resources
Michael K.H. Leung, City University of Hong Kong, China

Networking & Refreshment Break 10:55-11:15 @ Tivoli

11:15-11:55 Title: Smart Solar Charging to support widespread deployment of photovoltaic systems and electric mobility
Wilfried G.J.H.M. van Sark, Utrecht University, Netherlands

Panel Discussion 11:55-12:00

Sessions:

Bioenergy | Advanced Technology

Session Chair: Martin Mittelbach, University of Graz, Austria

12:00-12:30 Title: Future perspectives of advanced biofuels
Martin Mittelbach, University of Graz, Austria

12:30-13:00 Title: Zeolite catalysts prepared from shale rock and kaolin for biodiesel synthesis
Aidan M Doyle, Manchester Metropolitan University, UK

Lunch Break 13:00-13:45 @ Tivoli

13:45-14:15 Title: Application of bioethanol in dual-fuel combustion – A review
Soo-Young No, Chungbuk National University, Korea

14:15-14:45 Title: The use of remote sensing and gis to determine changes in land use: Causes of land degradation in Barka Province, Oman
Eyad H R Fadda, Sultan Qaboos University, Oman

14:45-15:05 Title: Biogas recovery from hyper-thermophilic anaerobic co-digestion of thickened waste activated sludge, organic fraction of municipal solid waste and fat, oil and grease
Rania Mona Zeid Alqaralleh, University of Ottawa, Canada

15:05-15:25 Title: The path forward for biomass valorization
Carmen L Bayly, University of British Columbia, Canada

Networking & Refreshment Break 15:25-15:45 @ Tivoli

15:45-16:05 Title: Enhancement of laccase activity in semi-solid culture of *Pleurotus ostreatus* by Cordyceps extract supplementation
Juan S Chirivi-Salomon, University of the Andes, Colombia

16:05-16:25 Title: Study of chemically synthesized rare-earth terbium substituted bam hex ferrites
Muhammad Imran Asghar, Government College of Technology Kamalia, Pakistan

Panel Discussion 16:25-16:30

Poster Presentations 16:30-17:30

RE 01 Title: Interaction analysis of multi-arrangement in tidal current energy farm
Chul Hee Jo, Inha University, South Korea

RE 02 Title: Preliminary study of the wind and solar energy in China
Tianhao Li, Beijing Normal University, China

RE 03 Title: Biogas Recovery from hyper-thermophilic anaerobic co-digestion of thickened waste activated sludge, organic fraction of municipal solid waste and fat, oil and grease
Rania Mona Zeid Alqaralleh, University of Ottawa, Canada

RE 04 Title: Catalytic pyrolysis for used tire wastes: An opportunity for environmental impact reduction in Bogota, Colombia
Juan S Chirivi-Salomon, University of the Andes, Colombia

RE 05 Title: Scaling-up evaluation of the biological lignin-degrading treatment of rice husk by *Pleurotus ostreatus*
Juan S Chirivi-Salomon, University of the Andes, Colombia

RE 06 Title: Engineering design for a large-scale wind and solar photovoltaic (PV) installations in an urban environment
Fariborz Mansouri Kouhestani, University of Lethbridge, Canada

Award & Closing Ceremony(17:30 onwards)