

Program



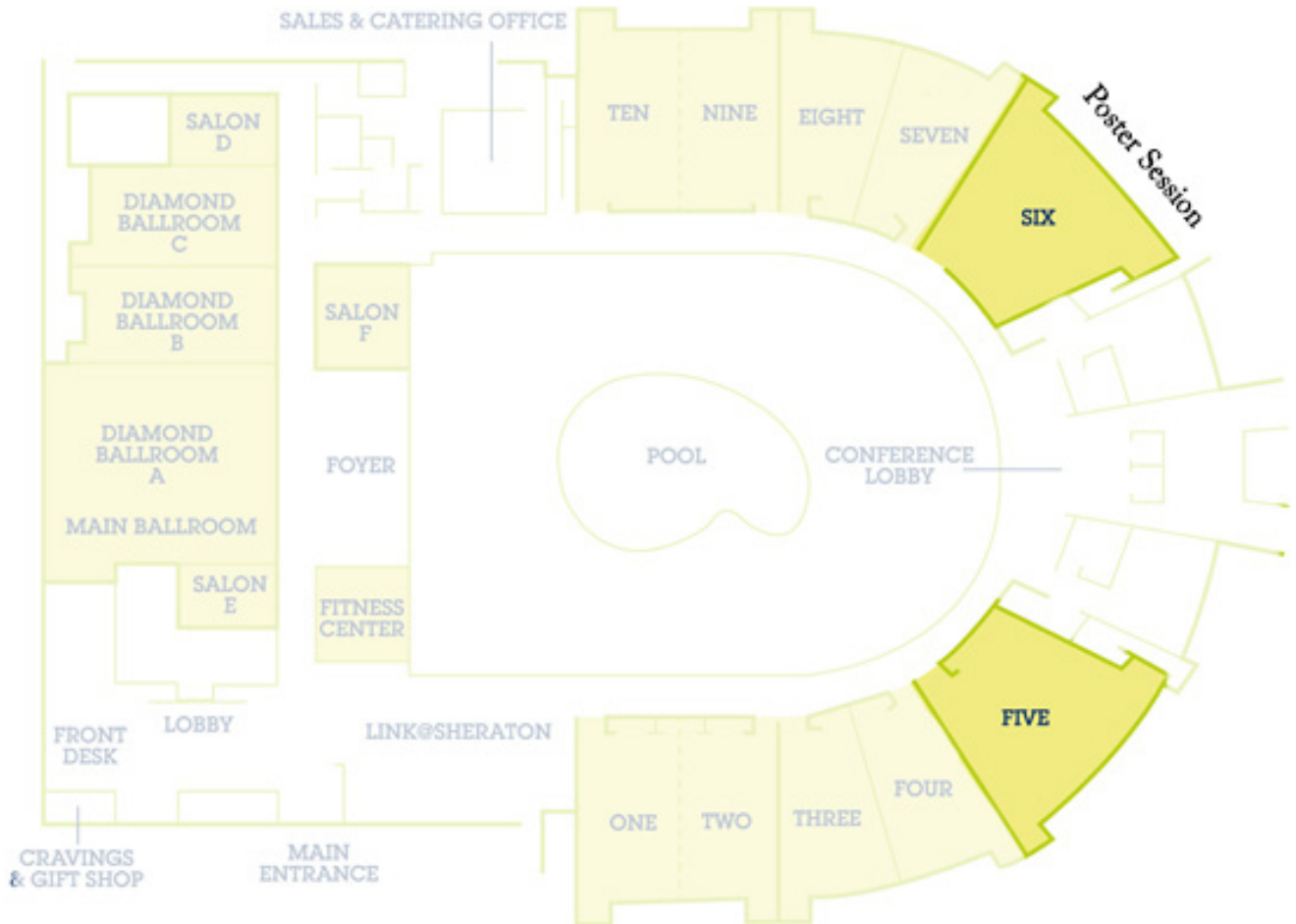
**Environmental and Energy
Resources Management Summit**

November 9-11, 2017

Venue

Sheraton Reston Hotel
11810 Sunrise Valley Dr, Reston
VA 20191, USA

Floor Plan



Day 1 | November 9, 2017

08:15-08:45 Registrations

08:45-09:00 Introduction EES 2017

Keynote Session

09:00-09:40 **New U.S. Power Costs: by County, with Environmental Externalities**
Fred C. Beach, Energy Institute, University of Texas, TX, USA

*** Energy Resource Management ***

*** Biofuels, Renewable Energies; Climate Change * Advanced Energy Techniques and Its Applications**

Session - Jian Yu, University of Hawaii at Manoa, HI, USA

Chairs Ian MacFarlane, Biclub Associates, UK

09:40-10:05 **Bioplastics and Drop-in Transportation Fuels from Carbon Dioxide and Solar Hydrogen**

Jian Yu, University of Hawaii at Manoa, HI, USA

10:05-10:30 **Plasma Assisted Combustion of Hydrogen and Small Hydrocarbons**

Andrey Starikovskiy, Princeton University, NJ, USA

10:30-10:50 *Coffee Break*

10:50-11:15 **Improving Energy and Environmental Decisions with Spatiotemporal Analyses**

Sarah Marie Jordaan, Johns Hopkins University, MD, USA

11:15-11:40 **Evaluation of the Potential of Corn Corbs and Defective Coffee Beans in the Production of Biochars**

Adriana S. Franca, DEMEC/Universidade Federal de Minas Gerais, MG, Brazil

11:40-12:05 **High Efficiency Air-Stable Hybrid Solar Cells Fabricated with Graphene and Metal Oxide Based Nanocomposites**

Yoon-Bong Hahn, Chonbuk National University, Jeollabuk-do, South Korea

12:05-12:30 **Biodiesel Production using Fatty Acids from Food Industry Waste using Corona Discharge Plasma Technology**

Marina de Medeiros Machado, Universidade Federal de Santa Catarina - UFSC, SC, Brazil

12:30-12:55 **Sulfonated Activated Waste Carbon Material as Heterogeneous Catalyst for the Production of Biodiesel**

Leandro S. Oliveira, DEMEC/Universidade Federal de Minas Gerais, MG, Brazil

12:55-14:00 *Lunch break*

@ Syrah Restaurant

- 14:00-14:25 **Effect of Litter Density and Foot Health Program on Ammonia Emissions in Broiler Chickens**
Joel Velasco-Velasco, Colegio de Postgraduados Campus Córdoba, Mexico
- 14:25-14:50 **Cost Per Person of Energy and Nutrition Sufficient to Sustain Healthy Adult Activity: Trends 1999-2015**
Ian MacFarlane, Biclub Associates, UK
- 14:50-15:15 **Characterizing and Accounting for Temporal Impacts of Carbon Emissions**
Evan Sproul, Colorado State University, CO, USA
- 15:15-15:40 **Dam Sediments Effects on Plankton Productivities of the Arabian Gulf**
Saif M. Al Ghais, Environment Protection and Development Authority, Ras Al Khaimah, United Arab Emirates
- 15:40-16:00 Coffee Break**
- 16:00-16:25 **Diamonds from the Sky to Mitigate Climate Change: Incentivized Greenhouse Gas Removal by its Transformation to Valuable Commodities**
Stuart Licht, George Washington University, Washington, DC, USA
- 16:25-16:50 **Biogas Production from Food Wastewater using Intermittent Feeding**
Hojae Shim, University of Macau, Macau SAR, China
- 16:50-17:15 **Sustainable Power Generation from Bacterio-Algal Microbial Fuel Cells (MFCs): An Overview**
Beenish Saba, The Ohio State University, OH, USA
- 17:15-17:40 **NexusHaus**
Michael Garrison, The University of Texas at Austin, TX, USA

17:40-18:30 Poster Session

@ Room 6

*** Pollution ***

* Persistent Organic Pollutants: fate, occurrence and effects * Air Pollutants; Hazardous Emissions; Risk Assessment * Ecotoxicology; Environmental Analytical Chemistry

Session - *Mohammed A. Kobeissi, The Lebanese National Council for Scientific Research, Lebanon*
Chair

09:00-09:25 **A Review of Measurements and Health Assessment of Natural Radioactivity in Granites, Cement and Sand used as Building Materials in Lebanon**

Mohammed A. Kobeissi, The Lebanese National Council for Scientific Research, Lebanon

09:25-09:50 **Ozone Interactions with Human Skin and Clothing in Indoor Environments**

Donghyun Rim, Penn State University, PA, USA

09:50-10:15 **Application of Highly Sectorial Resolved Emission Inventories of Air Pollutants**

Shu Tao, Peking University, Beijing Shi, China

10:15-10:40 **Risk of Shallow Tubewells related to Microbial Contamination of Drinking Water in Rural Bangladesh: A Challenge to SDGs**

Nepal C. Dey, Research and Evaluation Division, BRAC, Bangladesh

10:40-11:00 *Coffee Break*

11:00-11:25 **An Innovative and Sustainable Approach – Integrated Emission Management System to Achieve Emission Reduction Targets**

Hon Yeung Chan, The Hongkong Electric Co., Ltd, Hong Kong

11:25-11:50 **Relationship Between Climatic Factors and Air Quality with Tuberculosis in the Federal District, Brazil, 2003-2012**

Fernanda Monteiro de Castro Fernandes, Universidade de Brasília, SC, Brazil

11:50-12:15 **Legionella Air Contamination in Health Care Facilities by Different Sampling Methods: An Italian Multicenter Study**

Claudia Pacifico, University of Bari Aldo Moro, BA, Italy

12:15-12:40 **The Dilemma – Choosing Between Energetically Efficient and Healthy Illumination**

Abraham Haim, University of Haifa, Haifa, Israel

12:40-13:40 *Lunch break*

@ Syrah Restaurant

13:40-14:05 **Toxicant Exposure Marker Discovery using Different Mass Spectrometry-Based Metabolomics Data Processing Methods**

Pao-Chi Liao, National Cheng Kung University, Taiwan

14:05-14:30 **The Influence of Air Pollution on Health Impacts: The Futurar Project Assessment**

Ana Mendes, EPI Unit - University of Porto Institute of Public Health (ISPUP), Porto, Portugal

- 14:30-14:55 **Enhanced Photocatalytic Decomposition Effect of Lanthanum Oxide Doped Cerium Oxide Nanostructures Driven by Visible Light Irradiation**
Jeyaraj Boniface, St. Xavier's College, Tirunelveli, India
- 14:55-15:20 **Assessment of Population Dosimetry in Area of Highest Age Adjusted Incidence Rate of Cancer in India**
Zoliana Bawitlung, Government Zirtiri Residential Science College, Mizoram, India
- 15:20-15:45 **Biomarkers as a Measure of the State of Marine Environment**
MirzaUmair Beg, Kuwait Institute for Scientific Research, Kuwait

Day 3 | November 11, 2017

* Environment Management & Treatment *

*Environmental Management; Modeling of ecosystems * Biological Treatment; Water Resources Management

Session - Nazar Kholod, Joint Global Change Research Institute, MD, USA
Chair

- 09:00-09:25 **Water and Electricity in India: A Multi-Model Study of Future Challenges and Linkages to Climate Mitigation**
Nazar Kholod, Joint Global Change Research Institute, MD, USA
- 09:25-09:50 **Life-Cycle Assessment of High-Strength Concrete Mixtures with Copper Slag as Sand Replacement**
Aysegun Petek Gursel, University of California, CA, USA
- 09:50-10:15 **Water Balance Estimation of Ephemeral Ponds for Irrigation Potential in Semi-Arid Environments, North West Province, South Africa**
Lobina G. Palamuleni, North-West University, South Africa
- 10:15-10:40 **Waste as a Resource: A Territorial Approach for a Multi Level Management**
Audrey Tanguy, The Experimental Station for Environmental Pilot Processes (STEPPE-ÉTS), Montréal, Canada
- 10:40-11:00 Coffee Break**
- 11:00-11:25 **Role of Plant Species in Bioremediation of Heavy Metals from Polluted Areas, Spotlight on Wetlands-Challenges and Perspectives**
Mayerly Alexandra Oyuela Leguizamo, Universidad Distrital Francisco José de Caldas, Bogotá, Colombia

- 11:25-11:50 **Reconfiguration of Economic Structure to Reduce Carbon Emissions and Air Pollutants using a Quasi-dynamic Input-Output Model**
Xue Fu, Nanchang University, Jiangxi, China
- 11:50-12:15 **Effects of Climate Change and Boro Rice Area on the Sustainability of Groundwater in the Northwest Bangladesh**
Nepal C. Dey, Research and Evaluation Division, BRAC, Bangladesh
- 12:15-12:40 **An Integrated Solid Waste Stream Interface Management Framework**
Ruhiga Tabukeli M, North West University, South Africa
- 12:40- **Lunch & Departures** @ Syrah Restaurant

Poster Presentations (Day-1 | November 9, 2017)

@ Room 6

- P-01 Heat Storage and Release Process of Building Envelope Integrated with Phase Change Material during Intermittent Heating Process**
Enshen Long, Sichuan University, Chengdu, China
- P-02 Air Quality for Portugal in 2030 – A Policy-Oriented Research**
Ana Mendes, EPI Unit - University of Porto Institute of Public Health (ISPUP), Portugal
- P-03 Development of an ORC Power Generation System with Single Screw Expander for Low-medium Temperature Geothermal Resource**
Jingfu Wang, Beijing University of Technology, China
- P-04 Comparative Analysis on Hydro-morphological Parameters of Jamuna and Padma River of Bangladesh**
Probir Kumar Pal, Bangladesh University of Engineering and Technology, Bangladesh

We wish to Meet you again
at
E.E.S - 2018



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Group

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