2nd Edition of Global Summit on

Renewable Energy & Emerging Technologies



October 05-06, 2018
Barcelona, Spain

EuroSciCon

Agenda Day 1: October 05, 2018

Silverstone

09:30-10:00 **Registrations**

10:00-10:30 Opening Ceremony

Keynote Forum

10:30-11:00

Title: Biomass conversion to fuels and value-added chemicals with magnetically recoverable catalysts

Lyudmila M Bronstein, Indiana University, USA

Group Photo, Networking and Refreshments 11:00-11:20 @ Bar Terrazza

11:20-11:50

Title: Green hydrogen smart grids and alkaline electrolysis the low cost high efficiency solution

Charles William Dunnill, Swan Sea Unversity, UK

11:50-12:20

Title: New institutional structure in China's rural waste resources reused: Case analysis based on brokerage cooperatives

Fang Wang, Sichuan Agricultural University, China

Session Introduction

Sessions: Renewable Energy | Solar Energy | Energy Storage | Photovoltaics | Waste to Energy | Biomass | Energy Storage | Hydrogen Economy Wind Energy | Hydropower | Bio Fuels

Session Chair: Fang Wang, Sichuan Agricultural University, China

Session Co-Chair: Lyudmila M Bronstein, Indiana University, USA

12:20-12:40

Title: Compact CPV – Sustainable approach for efficient solar energy capture and sunlight to hydrogen conversion

Muhammad Burhan, King Abdullah University of Science & Technology, Saudi Arabia

12:40-13:00

Title: Photocatalytic water splitting – A green route to hydrogen: Fe_2O_3 based biphasic Janus nanoparticles for enhanced visible light water splitting

Michael E A Warwick, Swansea University, UK

Lunch Break 13:00-14:00 @ Bar Terrazza

14:00-14:20

Title: Solutions for large scale and low-cost manufacturing of electron collection semiconductor layers in lead halide perovskite solar cells

Cecile Charbonneau, Swansea University, UK

14:20-14:40

Title: Effects of micro climatic and local factors on electricity production of different photovoltaic systems

Istvan Lazar, University of Debrecen, Hungary

14:40-15:00

Title: Hydrogen-enriched natural gas (HENG) in the home: The effects of hydrogen addition on the stability, performance and running cost of domestic appliances

Daniel R Jones, Swansea University, UK

15:00-15:20

Title: Synthesis of four-phase composite Janus particles (CoPi/)$BiVO_4$/CdS(/MoS_2) by sequential layering deposition for visible-light photocatalytic water-splitting

Rome Bertrand, Swansea University, UK

15:20-15:40	Title: Production of methyl levulinate and levulinic acid by direct conversion of *α-cellulose* and raw biomass using a cheap homogeneous catalyst **Maricelly Martinez,** University of Sherbrooke, Canada

Poster Presentations 15:40-16:00 @ Silverstone

Poster Judge: Fang Wang, Sichuan Agricultural University, China

RE-01	Title: Polymer-based catalysts in vegetable oil conversion into biofuel **Esther M Sulman,** Tver State Technical University, Russia
RE-02	Title: Catalytic hydrotreating of lignin to produce biofuel components **Mikhail G Sulman,** Tver State Technical University, Russia
RE-03	Title: Waste heat from automotive hydrogen fuel cell utilized in reducing energy demand on cabin space-heating **Ryan James Patrick O'Neil,** Swansea University, UK
RE-04	Title: Cost-effective electrocatalyst coatings for room temperature alkaline electrolysis **William J F Gannon,** Swansea University, UK
RE-05	Title: Proton exchange membrane fuel cell modelling for automotive applications **Jonathan Amirmadhi,** Swansea University, UK
RE-06	Title: Biphasic photo catalytic materials MoS2/WO3 for solar energy harvesting and enhanced photo catalysis **Lisa Kong,** Swansea University, UK
RE-07	Title: Enhanced Flexible Piezoelectric Generating Performance via High Energy Composite for Wireless Sensor Network **Chul Hee Ryu,** Hanyang university, republic of Korea

Networking and Refreshments: 16:00-16:20 @ Bar Terrazza

Panel Discussion

Awards & Closing Ceremony

Agenda Day 2: October 06, 2018

Networking and Lunch: 12:30-13:30 @ Bar Terrazza

Mark your Calendar

3rd Edition of Global Summit on

Renewable Energy & Emerging Technologies

September 09-10, 2019 Baltimore, USA

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