



2nd International Summit on **Non-Renewable and Renewable Energy**

Dates : August 26-27, 2024

Venue : Valencia, Spain

Day-1 | August 26, 2024

09:00-09:30

On Spot Registrations

Chair

Hemant Pendse, Director Emeritus-Forest Bioproducts Research Institute, University of Maine, USA

Co-Chair

Kay Pfaffenberger, Flensburg University of Applied Sciences, Germany

09:30-10:10

P

Title: Development of Renewable Liquid Fuels from Woody Biomass - From Lab to Pilot Plants

Hemant Pendse, Director Emeritus-Forest Bioproducts Research Institute, University of Maine, USA

10:10-10:50

P

Title: The Biofine Process: Carbon Negative Bio-Fuels and Chemicals from Lignocellulose

Stephen W. Fitzpatrick, Biofine Technology LLC, USA

10:50-11:05

Refreshment Break

11:05-11:45

P

Title: Decentralized Financing of the RES Project – Bridge between Real World and Digital Economy

Milos Mladenovic, Managing Director-SEEPPEX, Serbia

11:45-12:25

P

Title: Lithium-Ion Battery Technology: Challenges and Opportunities in Qatar

Kenza Maher, Qatar Environment and Energy Research Institute, Qatar

12:25-12:55

K

Title: Renewable Energies in Africa and the Approach for Europe in the Light of the Findings of the Compact with Africa Summit

Kay Pfaffenberger, Flensburg University of Applied Sciences, Germany

12:55-13:55

Group Photo

Lunch Break

13:55-14:25

K

Title: Optimization Criteria for Complex Energy Systems

Amedeo Amoresano, Federico II University of Naples, Italy

14:25-14:55

K

Title: Recent Advances in Nanostructured Catalysts for Ethanol Oxidation in Direct Ethanol Fuel Cells

Jelena Lovic, University of Belgrade, Serbia

14:55-15:25

K

Title: Human Comfort in a Residential Building in Terms of Sustainable Development and Renewable Energy

Alicja Kowalska-Koczwara, Cracow University of Technology, Poland

Scientific
Sessions

Solar Cell and Photovoltaic Technology, Green Energy and Technology, Sustainable Development and Disaster Risk Reduction, Biofuels, Bioenergy & Bio-gas and Energy Policy

Sessions Chair

Kenza Maher, Qatar Environment and Energy Research Institute Qatar

15:25-15:50

I

Title: Optimizing Efficiency and Reliability Power Distribution Lines: A Study on Conductors and Loss Reduction Strategies

Sude Kozalioglu, ADM Electricity Distribution Inc., Turkey

15:50-16:05

Refreshment Break

16:05-16:30

I

Title: Enhancing Photovoltaic System Reliability and Performance: A Comprehensive Perspective from the ReliaREN-Pro Project

Yahya Atilgan, ADM Electricity Distribution Inc., Turkey

16:30-16:55

I

Title: Using Completed of the Economic Life Lithium-Ion Batteries in Energy Storage Systems

Baris Cetinkaya, ADM Electricity Distribution Inc., Turkey

16:55-17:20

I

Title: Fault Identification Methods in Electrical Systems: Examination and Applications of Bridge and Pulse Reflection Measurement-Based Approaches

Necati Keskin, ADM Electricity Distribution Inc., Turkey

17:20-17:45

I

Title: State of the Art of Biogas Enrichment with Hydrogen Aiming at the Introduction of the Technology in Brazil

Ederaldo Godoy Junior, University of Taubate, Brazil

17:45-18:10

I

Title: Tools and Methods for Financing Renewable Energy Projects in the U.S.A

Stephen W. Fitzpatrick, Biofine Technology LLC, USA

P01

Poster

Title: LCOE for Different Incentive Scenarios for Renewable Energies in Colombia

Fernando Villada Duque, University of Antioquia, Colombia

P02

Poster

Title: Regression Relationship Between the Cold Flow Properties and Distillation Profiles of Sustainable Aviation Fuels at Hydroprocessed Ester and Fatty Acid

Hwayeon Jeon, Korea Petroleum Quality & Distribution Authority, South Korea

****Closing the Conference for Day 01****

Day-2 | August 27, 2024

Chair

Hemant Pendse, Director Emeritus-Forest Bioproducts Research Institute, University of Maine, USA

Co-Chair

Kay Pfaffenberger, Flensburg University of Applied Sciences, Germany

09:30-10:10

P

Title: Scaling Renewable Energy and Storage through Digital AI Technology

Maher Chebbo, Managing Director for Europe at Univers, France

10:10-10:50

P

Title: Comparative Study on Green Hydrogen Renewable Energy and Lithium-Ion Batteries Towards Circular Economy - Challenges and Opportunities

Nevenka Elezovic, University of Belgrade, Serbia

10:50-11:05

Refreshment Break

11:05-11:35

K

Title: Validation and Optimization of Vertical Axis Wind Turbine

Haitham Aboshosha, Toronto Metropolitan University, Canada

11:35-12:05

K

Title: Human-Machine Interface of Today: How to Integrate Expert Knowledge with Equipment Data and Set-up Asset Predictive Maintenance

Valentina Litovchenko, Co-Founder - Applied Smart Industry, Spain

12:05-12:35

K

Title: Diagnostic Analysis of Aging Temperature and Thermal Stability in Lithium-Ion Batteries

Kenza Maher, Qatar Environment and Energy Research Institute, Qatar

12:35-13:05

K

Title: Recycling Spent Lithium Iron Phosphate Battery for Lithium Recovery

Fu-Shen Zhang, Chinese Academy of Sciences, China

13:05-14:05

Group Photo

Lunch Break

14:05-14:35

K

Title: Conceptual Design of the Architecture to Implement Energy Transactions in Local Energy Markets: Integration of Renewables and Distributed Energy Resources

Manuel Alcazar-Ortega, Polytechnic University of Valencia, Spain

14:35-15:05

K

Title: Decarbonization of Ports and Maritime Sector: Challenges, Opportunities and Effects of Disruptive Technologies to its Sustainable Development

Lina Montuori, Polytechnic University of Valencia, Spain

Scientific Sessions

Combustion Engines, Biofuels, Bioenergy & Bio-gas, Green Energy and Technology, Nuclear Energy, Energy Materials, Wind and Solar Energy

Sessions Chair

Stephen W. Fitzpatrick, Biofine Technology LLC, USA

15:05-15:30

I

Title: Design of a Biomass-Fueled Internal Combustion Engine

Gonzalo Suanes Foncea, Polytechnic University of Madrid, Spain

15:30-15:55

I

Title: International Standard Study for the Technology of ECCS Strainer Design and Safety Performance Evaluation

Zhu Jingmei, China Nuclear Power Engineering Co., LTD, China

15:55-16:10

Refreshment Break

16:10-16:35

I

Title: Forecasting of Solar Irradiance and Wind Speed in India using Time Series and Machine Learning Models

Sarita, Birla Institute of Technology and Science, India

16:35-17:00

I

Title: A Systematic Review of Clean Cooking and to Whom Does the Clean Cooking Agenda Belong? Empirical Evidence from Disruptions in Cultural Household Cooking Behaviour in East Africa

Yusuph J. Kulindwa, Moshi Co-operative University, Tanzania

17:00-17:25

I

Title: Evaluating the Energy Flexibility Potential of Residential Consumers in Automated Distribution Networks: Application to a 20 KV Medium Voltage System

Caterina Lamanna, Polytechnic University of Valencia, Spain

17:25-17:50

I

Title: A New Class of Materials for Energy Applications

Salah Elmoselhy, The University of Coimbra, Portugal

Video Presentation

V01

Title: Solid State Battery: A Way Towards Commercialisation

Sudeshna Sen, University of Warwick, UK

****Closing the Conference****

A night-time photograph of the Dubai skyline, featuring the Burj Khalifa as the central focus. The city lights are visible against a dark blue sky, with some construction cranes and lights on the right side. The overall color palette is dominated by blues and oranges.

UPCOMING EVENT

3rd International Summit on
**Non-Renewable
and Renewable Energy**

Dates : September 08-10, 2025

Venue : Dubai, UAE