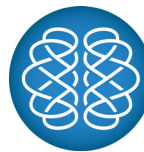




**FINAL
PROGRAM**



INFINITE MINDS
A Boundless Research Possibility

RENEWABLECONNECT2025

March 24-26, 2025 | Paris, France

**INTERNATIONAL CONNECT ON
RENEWABLE & SUSTAINABLE
ENERGY**

International Connect on Renewable and Sustainable Energy (Renewableconnect2025)

Renewableconnect2025 Program

Tuesday, March 25, 2025

09:00-09:20

Registrations

09:20-09:30

Opening Ceremony

Plenary Session

09:30-10:10

Title: **Climate Change & Renewable Energy: Science, Technology, Economics, & Reality; and Advanced Concepts for Highly Efficient Solar Photon Conversion into Photovoltaics & Fuels Based on Quantization Effects in Nanostructures & Molecular Singlet Fission**

P/Chair

Arthur J. Nozik, University of Colorado, USA

10:10-10:50

Title: **Will be updated soon**

P

Strbac Goran, Imperial College, UK

Keynote Session

10:50-11:20

Title: **Optimal Allocation of Ammonia Production on the Chilean Power System Expansion Planning under European Union Standards for Renewable Fuels**

K

Enzo Sauma, PUC / Imperial College London, Chile

11:20-11:40

Coffee Break

11:40-12:10

Title: **The Relevance of a Fractal Holistic Approach for Renewable and Sustainable Energy Systems**

K

Albana ILO, TU Wien, Austria

Invited Session

12:10-12:35

Title: **Explore the Possible Effects of Livestock Wastewater Separation Pretreatment to Promote Anaerobic Digestion**

I

Ping-Heng Hsieh, National Pingtung University of Science and Technology, Taiwan

12:35-13:00

Title: **Effect of Freeze-Thaw Cycles to Small Strain Modulus of Clay Treated with Waste Materials**

I

Eren Balaban, Eskişehir Teknik Üniversitesi, Turkey

13:00-14:00

Group Photo & Lunch Break

14:00-14:25

Title: **Advanced Benzothiadiazole-Linked SAMs for High Efficiency and Stable Inverted Perovskite Solar Cells**

I

Tran Van Hung, Korea National University of Science and Technology, South Korea

14:25-14:50

Title: **Systematic Pinch Approach to Integrate Different Source of Renewable Energy with Greenhouses in Cold Climate**

I

Hosein Faramarzpour, Sherbrooke University, Canada

14:50-15:15	Title: Source Identification and Temporal Variation of PM2.5 Carbonaceous Components in Los Angeles Constantinos Sioutas , University of Southern California, USA	I
15:15-15:40	Title: Rainflow Cycle Counting Method to Estimate the Lifespan of Batteries in Power Systems based on SDDP Simulations Celso DallOrto , Consultant at PSR - Energy Consulting and Analytics, Brazil	I
15:40-16:05	Title: Demonstration of a Flexible Optical Integrated Communication, Sensing, and Power Transfer System Tiantian Chu , Chongqing University, China	I
16:05-16:25	Coffee Break	
16:25-16:50	Title: Superhydrophobic Coatings for Photovoltaic Panels Adamantini Loukodimou , University of Leicester, UK	I
16:50-17:15	Title: Unfurling the Potential of Cyanobacteria for Renewables Nirupama Mallick , IIT Kharagpur, India	I
17:15-17:40	Title: Thermoelectric Glazing for Energy-Efficient Building Mustafa Majid Rashak Al-Fartoos , Exeter university, UK	I
17:40-18:10	Title: Towards Buildings that Slow Climate Change Mark Bomberg , Clarkson University, USA	Co-chair/K
18:10-18:40	Poster Presentations	
PP-001	Title: Transforming Waste into Energy: A Circular Economy Approach Utilizing Chlorella minutissima to Capture Carbon and Promote Sustainable Biodiesel Production Sagar Devadiga , Indian Institute of Technology Kharagpur, India	
PP-002	Title: Optimisation and Scale-up of Catalytic Hydrothermal Liquefaction for Bio-Crude Oil Production using Chlorella Minutissima Biomass Rahul Tiwari , Indian Institute of Technology Kharagpur, India	
PP-003	Title: Bio-Oil Production from Pyrolysis of Microalgal Biomass Cultivated with Fluegas-CO2 Supplementation Yadav Santoshnambi , Indian Institute of Technology Kharagpur, India	
PP-004	Title: Will be updated soon Emad Alrwishdi , Islamic University, Saudi Arabia	
END OF PROGRAM		