

The Scientistt

Exploring Science - Promoting Innovation

2nd Global Summit and Expo on
**Sustainable and Renewable
Energy**

Scientific Program



GSESRE2023

August 28, 2023 | Virtual Event

Time Zone: London, (GMT+1)

Day-1 | Monday AUGUST 28, 2023

10:00-10:40	Title: Thermal Energy Harvesting Encompassing Hot and Cold Sources Chua Kian Jon , National University of Singapore, Singapore	P
10:40-11:05	Title: A Commercial-Scale Climate Solution: Graph Neural Net Powered Hydrogen and Carbon Sequestration Plants for a Greener Tomorrow Bernard Lee , HedgeSPA, Singapore	I
11:05-11:30	Title: REY-Rich Mud as an Important Key Toward Sustainable Development of Global Society Kentaro Nakamura , The University of Tokyo, Japan	I
11:30-11:55	Title: Nanoarchitectonics Engineering for Small Molecule Conversion Chun-Hong Kuo , National Yang Ming Chiao Tung University, Taiwan	I
11:55-12:20	Title: Porous TiO ₂ Substrate Fabrication Using Plasma Electrolytic Oxidation Process Wing Kiu Vicki Yeung , National Taipei University of Technology, Taiwan	I
12:20-12:50	Title: Gas Adsorption, Hydrate Nucleation and Growth in CO ₂ /CH ₄ Systems Cong Chen , Dalian University of Technology, China	K
12:50-13:15	Title: High-Speed Flow Control using Thermally Stratified Energy Deposition. A Recent Study Olga Azarova , Russian Academy of Sciences, Russia	I
13:15-13:55	Title: Next Generation Solar Cells based on Graded Bandgap Structures, and Solar Village Projects for Sustainable Development I.M. Dharmadasa , Sheffield Hallam University, UK	P
13:55-14:35	Title: Power-to-X – a Key Enabling Technology for Sector Coupling and Closed Industrial Carbon Loops Eichel Ruediger , RWTH Aachen University, Germany	P
14:35-15:05	Title: New Solutions for Storing and Using Surplus Electricity in Methanol Edgar Harzfeld , Stralsund University, Germany	I
15:05-15:30	Title: Assessing Knowledge and Relevance of Renewal Energy Communities for the Lombardy' Manufacturing Industry Maria Garbelli , Università degli studi di Milano Bicocca, Italy	I

15:55-16:35

Title: A Novel Tidal Current Energy Converter: Design, Analysis, and Experiment

Weidong Zhu, University of Maryland, USA

P

16:35-17:15

Title: Deep Decarbonization of Multi-Energy Systems: A Carbon-Oriented

Zhu Han, University of Houston, USA

P

17:15-17:40

Title: NOAA/NCEI Storm Wind Resolving Global Seawinds Product and Its Applications In Offshore Winds Energy

Huai-Min Zhang, NOAA's National Center for Environmental Information, USA

I

17:40-18:05

Title: Biochar From Microalgae as a Potential Low-Cost Support for Lipase Immobilization: Assessment of the Biocatalysts in the Biofuels' Synthesis

Patrícia Caroline Molgero Da Rós, University of São Paulo, Brazil

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****End of Conference****

Next Event Details:

3rd Global Summit and Expo on Sustainable and Renewable Energy

August 26-28, 2024 | Barcelona, Spain

GSESRE2024

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