

WEBINAR Program

V-Renewable2022

2nd Edition of Renewable and Sustainable Energy
Virtual

February 04 | 07:00 – 16:20 GMT

February 05 | 07:00 – 11:35 GMT



February 04, 2021

GMT 07:00 – 15:35

07:00 – 07:10

Introduction



Plenary Sessions

Webinar

Speakers

Time Zone

Time Zone

07:10 – 07:50

16:10 – 16:50

Title: True Design and Characterization of Catalyst and Photocatalyst Materials through Electron Trap-distribution Analyses

Bunsho Ohtani, Hokkaido University, Japan.

07:50 – 08:30

16:50 – 17:30

Title: Solvent-free Liquid Phosphors and Electrets towards Stretchable Applications

Takashi Nakanishi, International Institute for Materials Science (NIMS), Japan.

08:30 – 09:10

09:30 – 10:10

Title: New solutions for storing and using surplus electricity in Methanol

Edgar Harzfeld, Stralsund University, Germany.

09:10 – 09:50

09:10 – 09:50

Title: Solar Energy and Sustainability

Manuel F M Costa, University of Minho, Portugal.

09:50 – 10:00

Networking and Refreshments Break



Keynote Sessions

10:00 – 10:35

18:00 – 18:35

Title: Exploiting marine bacteria for the production of value-added biomaterials from renewable resources: an effort towards embracing circular economy

Kesaven Bhupalan, Universiti Malaysia Terengganu, Malaysia.

10:35 – 11:10 18:35 – 19:10

Title: Hydrogen based sustainable energy system: to achieve carbon neutral

Ben Chen, Xi'an Jiaotong University, China.

11:10 – 11:45 19:10 – 19:45

Title: Development of Alternative Proton Exchange Membrane Materials for Application in Low Temperature Fuel Cells

Wong Wai Yin, Universiti Kebangsaan Malaysia, Malaysia.

11:45 – 12:20 19:45 – 20:20

Title: Aluminium-air battery technologies for green energy development

Bernard Saw Lip Huat, Universiti Tunku Abdul Rahman, Malaysia.

12:20 – 12:55 21:20 – 21:55

Title: Strategies to enhance N₂ reduction to NH₃ using non-noble metal catalysts in photoelectrochemical system

Youn Jeong Jang, Hanyang University, Republic of Korea.

12:55 – 13:30 20:55 – 21:30

Title: Modification of metal hydrides and complex hydrides properties in a reactive hydride composite (RHC) for solid-state hydrogen storage material

Mohammad Ismail, Universiti Malaysia Terengganu, Malaysia.

13:30 – 14:05 21:30 – 22:05

Title: Schiff base compounds as a material for solar energy applications

Zuhair Jamain, Universiti Malaysia Sabah, Malaysia.

14:05 – 14:40 22:05 – 22:40

Title: Long short term memory - recurrent neural network modeling for the strong robustness remaining useful life prediction of lithium-ion batteries

ShunLi Wang, Southwest University of Science and Technology, China.

14:40 – 15:15

23:40 – 00:15(06-02-2022)

Title: Stereolithographic Additive Manufacturing for Sustainable Developments

Soshu Kiriha**ra**, Osaka University, Japan.

15:15 – 16:00

16:15 – 17:00

Title: Innovative technologies for the production of renewable energy: Agro-photovoltaics

Andrea Colanton**i**, University of Tuscia, Italy.



Invited Sessions

16:00 – 16:20

23:00 – 23:00

Title: Potential Development of the Alternative Renewable Energies for the Diesel Engines in Maritime Transportation: A Critical Review

Tien Anh Tran, Vietnam Maritime University, Vietnam.

End of Day One



February 05, 2021

GMT 07:00 – 11:35

07:00 – 07:10

Introduction

Webinar

Speakers

Time Zone

Time Zone

Plenary Sessions

07:10 – 07:50

15:10 – 15:50

Title: Development of renewable energy for decarbonising and modelling sustainable transport and logistics operations

Eugene Wong, The Hang Seng University of Hong Kong.

07:50 – 08:30

07:50 – 08:30

Title: Multicomponent High-Entropy Cantor alloys for Recycling and Reuse

Brian Cantor, University of Oxford & Brunel University, UK.

08:30 – 08:40

Networking and Refreshments Break



Keynote Sessions

08:40 – 09:15

16:40 – 17:15

Title: Alternative fuel pathways in maritime decarbonization

Jasmine Siu Lee Lam, Nanyang Technological University, Singapore.

09:15 – 09:50 10:15 – 10:50

Title: Enabling Long-Cycling Life of Si-on-Graphite Composite Anodes of LIBs

Mozaffar Abdollahifar, Technische Universität Braunschweig, Germany.

09:50 – 10:25 10:50 – 11:25

Title: Operando Elucidation on the Working State of Immobilized Fluorinated Iron Porphyrin for Selective Aqueous Electroreduction of CO₂ to CO

Hassan Ait Ahsaine, University in Rabat, Morocco.

10:25 – 11:00 18:25 – 19:00

Title: Numerical Analysis on a Characteristics of a Hybrid FOWC-Breakwater

Mohd Rosdzimin Abdul Rahman, Universiti Pertahanan Nasional Malaysia, Malaysia.

11:00 – 11:35 19:00 – 19:35

Title: Ethereum Blockchain-Based Autonomic P2p Energy Trading Management With Long Short Term Machine Learning

Mohamed Hadi Habaebi, International Islamic University Malaysia.

Closing Ceremony