

3rd Edition of Renewable & Sustainable Energy Virtual

June 03 | 07:00 – 13:40 GMT

June 04 | 12:30 – 15:25 GMT

V-REN2022



June 03, 2022

GMT 07:00 – 13:40

07:00 – 07:10

Introduction



Plenary Session

Webinar
Time Zone

Speakers
Time Zone

07:10 – 07:50

15:10 – 15:50

Title: Electrochemical Energy Storage Systems with High Safety for Large-scale Applications

Yuping Wu, Southeast University, China.

07:50 – 08:30

09:50 – 10:30

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

Edgar Harzfeld, Stralsund University of Applied Sciences, Germany.



Keynote Sessions-1

08:30 – 09:05

16:30 – 17:05

Title: Solar energy harvesting with the highest efficiency using advanced photovoltaic/thermal (PVT) heat pump thermodynamic cycle

YanJun Dai, Shanghai Jiao Tong University, China.

09:05 – 09:40

17:05 – 17:40

Title: Microwave-assisted thermochemical conversion technologies for value-added products

Yaning Zhang, Harbin Institute of Technology, China.



Invited Session

09:40 – 10:00

18:40 – 19:00

Title: Cross-linked graphene/cysteamine aerogel (GCA) supported form-stable phase change materials (PCMs) for pyroelectric energy harvesting

Chengbin Yu, Seoul National University, South Korea.

10:00 – 10:20 19:00 – 19:20

Title: Harvesting costs of forest biomass in Japan: A Bayesian multilevel meta-analysis

Noriko Irie, Ehime University, Japan.

10:20 – 10:40 19:20 – 19:40

Title: Harvesting costs of forest biomass in Japan: A Bayesian multilevel meta-analysis

Naoko Kawahara, Kindai University, Japan.



Keynote Sessions-2

10:40 – 11:15 18:40 – 19:15

Title: Sustainable and Renewable Energy from Honey Comb Microbial Fuel Cells (HC-MFCs)

Sangeetha Thangavel, National Taipei University of Technology, Taiwan.

11:15 – 11:50 13:15 – 13:50

Title: Organic Mixed Valence Compounds for Electrochromic and Electrofluorochromic Applications

Corrente Giuseppina Anna, University of Calabria, Italy.

11:50 – 12:25 13:50 – 14:25

Title: Sustainable thermoplastic adhesives and bonding technologies for woodworking industry

Tomasz Krystofiak, Poznan University of Life Sciences, Poland.

12:25 – 13:00 08:25 – 09:00

Title: Engineering Education for a Sustainable Energy Future

Jan DeWaters, Clarkson University, USA.



Plenary Session

13:00 – 13:40 08:00 – 08:40

Title: The Road to Renewable Energy and Sustainability Goals

E. E. Michaelides, TCU, USA.



12:30 – 12:40

Introduction

Webinar

Speakers

Time Zone

Time Zone



Keynote Sessions

12:40 – 13:15

07:40 – 08:15

Title: Enhancing the Efficiency of Underground Thermal Energy Storage by Mathematical Modeling

Anders E Carlsson, Washington University in St Louis, USA.

13:15 – 13:50

09:15 – 09:50

Title: Blockchain-Based Finance of Resilience Enabling and Economically Beneficial Microgrid Clean Energy Projects Anywhere and at Any Scale

Kevin P. Hallinan, University of Dayton, USA.

13:50 – 14:25

22:50 – 23:25

Title: Stereolithographic Additive Manufacturing of Electromagnetic Devices

Soshu Kiriahra, Osaka University, Japan.



E-poster Sessions

14:25 – 14:35

22:25 – 22:35

Title: A Case Study of HVAC System Optimization with Smart Valves Installed in a Library

Yen-Tang Chen, National Taipei University of Technology, Taiwan.

14:35 – 14:45

10:35 – 10:45

Title: Modified technological scheme for the remove of inorganic nitrogen species in WWTP of the Causeni city

Tudor Spataru, Columbia University, USA.



Invited Sessions

14:45 – 15:05

17:45 – 18:05

Title: Improving the Reliability Design of Mechanical Systems

Seongwoo Woo, Ethiopian Technical University, Ethiopia.

15:05 – 15:25

20:35 – 20:55

Title: Investigations and Analysis of Earth Materials towards the Developments in Some Advanced Chemical and Catalytic Uses

Gihan Suresh Aluvihara, University of Peradeniya, Sri Lanka.

Closing Ceremony