

7th Edition of Renewable and Sustainable Energy Virtual

March 22, 2024



V-Renewable2024

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Webinar
Timings

Speakers
Timings

07:00 – 07:10

Introduction

07:10 – 07:50

15:10 – 15:50

P

Title: Energy and exergy performances of low-density polyethylene plastic particles assisted by microwave heating

Yaning Zhang, Harbin Institute of Technology, China.

07:50 – 08:20

13:20 – 13:50

K

Title: Functional Heterostructures for Scalable Green Hydrogen Energy Production

Tokeer Ahmad, Jamia Millia Islamia, India.

08:20 – 08:50

16:20 – 16:50

K

Title: Tungsten Oxide Mesoporous Films for Windows Applications

Chi-Ping Li, National United University, Taiwan.

08:50 – 09:20

16:50 – 17:20

K

Title: Geothermal heat pump application for the road snow-melting in Harbin, China

Wenke Zhao, Harbin Institute of Technology, China.

09:20 – 09:50

18:20 – 18:50

K

Title: A Framework for Establishing a Resource Circulation Society

Dai-Yeun Jeong, Asia Climate Change Education Center, South Korea.

09:50 – 10:20

12:50 – 13:20

K

Title: Improving the Fatigue Design of Mechanical Systems such as Refrigerator

Seongwoo Woo, Ethiopian Technical University, Ethiopia.

10:20 – 10:50

11:20 – 11:50

K

Title: Controlling the Heating of Electronic Circuits through elastocaloric cooling: the CHECK TEMPERATURE device

Luca Cirillo, University of Naples Federico, Italy.

10:50 – 11:20

18:50 – 19:20

K

Title: Roadmap for Malaysia Geothermal Energy Transition

Mohd Hariri Arifin, Universiti Kebangsaan Malaysia, Malaysia.

11:20 – 11:50 12:20 – 12:50 K

Title: Increasing building energy efficiency with Luminescent Solar Concentrators – a semitransparent photovoltaic solution

Giulio Mangherini, University of Ferrara, Italy.

11:50 – 12:20 12:50 – 13:20 K

Title: Integrating Renewable and Sustainable Energy Strategies into Business Management: Addressing Climate Risk

Rebeca García-Ramos, Universidad de Cantabria, Spain.

12:20 – 13:00 08:20 – 09:00 P

Title: Contactless Magnetic Sensing in Condition Monitoring and Anomaly Detection for Smart Grid: New Possibilities and Alternatives

Philip Pong, New Jersey Institute of Technology, USA.

13:00 – 13:40 08:00 – 08:40 P

Title: Exceptional Properties of Highly Ordered Nanostructured Energy Materials Revealed Using Simulations

Oomman K. Varghese, University of Houston, USA.

13:40 – 14:10 08:40 – 09:10 K

Title: Advanced Test Bed to Assess Event Disturbances in Electrical Grids with Distributed Energy Resources Using Intelligent Electronic Devices with Varying Sampling Frequencies for Measurement

Emilio C Piesciorovsky, Oak Ridge National Laboratory, USA.

14:10 – 14:40 09:10 – 09:40 K

Title: Unleashing Pure Methanol's Potential Using Direct Methanol Fuel Cells

Xianglin Li, Washington University in St. Louis, USA.

Closing Ceremony