

# V-Renewable2025

*8<sup>th</sup> Edition of*

## Renewable and Sustainable Energy

*Virtual*

August 01, 2025

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Webinar  
Timings

Speakers  
Timings

07:00 – 07:10

Introduction

07:10 – 07:45

12:40 – 13:15 P

Title: Smart Advanced Nano Heterostructured Materials for Sustainable Green H2 Energy

**Tokeer Ahmad, Jamia Millia Islamia, India.**

07:45 – 08:20

15:45 – 16:20 P

Title: Screen catalysts and regulate pyrolysis for converting polypropylene plastic into jet fuel

**Yaning Zhang, Harbin Institute of Technology (HIT), China.**

08:20 – 08:55

16:20 – 16:55 P

Title: High Performance Tungsten Trioxide Electrochromic Films for Smart Windows

**Chi-Ping Li, National United University/ Chemical Engineering Department, Taiwan.**

08:55 – 09:30

10:55 – 11:30 P

Title: Energy Storage: The Missing Piece in Our Sustainable Energy Model

**Pedro Gomez Romero, Georgetown University, Spain.**

09:30 – 10:05

18:30 – 19:05 P

Title: Human Impact on Natural Environment and Its Implications

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

10:05 – 10:40

13:05 – 13:40 P

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

**Seongwoo Woo, Ethiopian Technical University, Ethiopia.**

10:40 – 11:10

18:40 – 19:10 K

Title: Reframing Energy Audits: Driving Industrial Efficiency Beyond Compliance

**Norzanah Rosmin, Universiti teknologi Malaysia, Malaysia.**

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|---------------|---------------|---|--|
| 11:10 – 11:40 | 19:10 – 19:40 | K | Title: Effect of Different Support Materials in Hydrogen Production through Dry Reforming of Methane<br><b>Wan Nor Roslam Wan Isahak, National University of Malaysia (UKM), Malaysia</b>        |
| 11:40 – 12:10 | 14:40 – 15:10 | K | Title: Memory Characteristics and Atomic Scale Phase Transformations Governing Reversibility in Shape Memory Alloys<br><b>Osman Adiguzel, Firat University, Turkey</b>                           |
| 12:10 – 12:40 | 20:10 – 20:40 | K | Title: Green Technology – from Waste Materials to Wealth for a Sustainable Future<br><b>Md Abdul Maleque, International Islamic University Malaysia, MALAYSIA</b>                                |
| 12:40 – 13:10 | 18:10 – 18:40 | K | Title: Production of Inexpensive Activated Carbon from Disposable Coconut Shells and Its Key Characteristics Analysis<br><b>Suresh Aluvihara, University of Peradeniya, Sri Lanka, Sri Lanka</b> |
| 13:10 – 13:40 | 08:10 – 08:40 | K | Title: Creating Sustainable Community Energy Management<br><b>David Barkin, Universidad Autonoma Metropolitana, Mexico City, MEXICO</b>  |
| 13:40 – 14:15 | 09:40 – 10:15 | P | Title: Renewable and Sustainable Energy for Powering Implantable Sensors<br><b>Thomas J Webster, Brown/Hebei University, USA/China</b>   |
| 14:15 – 14:50 | 22:15 – 22:50 | P | Title: Renewable Energy Initiatives for Sustainable Development: Strategic Insights from Borneo<br><b>Boo Ho Voon, Universiti Teknologi MARA, Malaysia</b>                                       |

**Closing Ceremony**