

V-MechAero2025

6th Edition of

Mechanical and Aerospace Engineering

Virtual

July 25, 2025

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Webinar
Timings

Speakers
Timings

07:00 – 07:10

Introduction

07:10 – 07:50

12:40 – 13:20 P

Title: Scalable Green Hydrogen Production using Water Splitting

Tokeer Ahmad, Jamia Millia Islamia, India.

07:50 – 08:30

15:50 – 16:30 P

Title: High-Performance Photothermal Regulation Materials

Rufan Zhang, Tsinghua University, China.

08:30 – 09:05

10:30 – 11:05 K

Title: Multiple Time-Weighted Residual Methodology for the Design of Linear Multi-Step Time Integration Algorithms

Yazhou Wang, School of Engineering and Design, Technical University of Munich, Germany.

09:05 – 09:40

17:05 – 17:40 K

Title: Pyroshock Isolation for Spacecraft in Aerospace Engineering

Zhaoye Qin, Tsinghua University, China.

09:40 – 10:15

12:40 – 13:15 K

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

Seongwoo Woo, Ethiopian Technical University, Ethiopia.

10:15 – 10:50

18:15 – 18:50 K

Title: Abrasive Waterjet Machining Technology and its Process Sustainability

Mohd Azmir Bin Mohd Azhari, BUniversiti Malaysia Pahang Al-Sultan Abdullah. Malavsia.

10:50 – 11:25 13:50 – 14:25 K
Title: Dual Memory Characteristics and Thermomechanical Processes and Transformations in Shape Memory Alloys
Osman Adiguzel, Firat University, Turkey

11:25 – 12:00 13:25 – 14:00 K
Title: Exploring the Complexities of Airborne Virus Transmission: Insights and Innovations
Talib Dbouk, CORIA, University of Rouen Normandy, France

12:00 – 12:20 08:00 – 08:20 I
Title: An Overview of Vibration Analysis of Na-ion Batteries: Insights from Li-ion Systems and Evaluation of Flexible Battery Technologies in SIBs
Aravind Reddy Boozula, EnerSys Delaware Inc, USA

12:20 – 13:00 06:20 – 07:00 P
Title: PID Control of Mechanical Systems with Intelligent Compensation
Wen Yu, National Polytechnic Institute, Mexico

Closing Ceremony