

V-MAE2025

5th Edition of

Mechanical and Aerospace Engineering

Virtual

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Webinar
Timings

Speakers
Timings

07:00 – 07:10

Introduction

07:10 – 07:50

12:40 – 13:20 P

Title: Developing Advanced Functional Materials for Renewable Green H2 Energy

Tokeer Ahmad, Jamia Millia Islamia, India.

07:50 – 08:25

16:50 – 17:25 K

Title: Deep Space Exploration Agenda of ISAS/JAXA

Hitoshi Kuninaka, Institute of Space and Astronautical Science, Japan.

08:25 – 09:00

17:25 – 18:00 K

Title: Listening to the "Voice" of Materials in Mechanical and Aerospace Engineering: Identifying and Evaluating Conditions in Mechanical Systems through Acoustic Emission Sensing

Alan Hase, Saitama Institute of Technology/RIKEN, Japan.

09:00 – 09:35

10:00 – 10:35 K

Title: A two-level model for the dynamic fracture in fiber-reinforced concrete

Rena Chengxiang Yu, University of Castilla-La Mancha, Spain.

09:35 – 10:10

17:35 – 18:10 K

Title: Fatigue performance of remanufactured low-carbon steel made by wire and arc additive manufacturing

Jingjing He, Beihang University, China.

10:10 – 10:45

18:10 – 18:45 K

Title: Multi-modal experimental characterization on internal damage of critical-safety AM components

Shengchuan Wu, Southwest Jiaotong University, China.

10:45 – 11:20	13:45 – 14:20	K	Title: Improving the Fatigue Design of Mechanical Systems such as Refrigerator Seongwoo Woo, Ethiopian Technical University, Ethiopia
11:20 – 11:40	20:20 – 20:40	I	Title: Mechanical Properties of PLA/PETG Composites Products Made by FDMType 3D Printer Equipped with Co-axial Nozzle Junki Yanagiya, Doshisha University, Japan
11:40 – 12:15	14:40 – 15:15	K	Title: Shape Memory Phenomena and Crystallographic Basis of Reversibility in Shape Memory Alloys Osman Adiguzel, Firat University, Elazig, Turkey
12:15 – 12:50	09:15 – 09:50	K	Title: A Novel Structural Reliability Method Applied to Corroded Pipelines Assessment Renato De Siqueira Motta, Federal University of Pernambuco, Brazil.
12:50 – 13:30	18:20 – 19:00	P	Title: Evolving Intelligent and Autonomous Robots Using AI Dilip Kumar Pratihari, Indian Institute of Technology Kharagpur, India.
13:30 – 14:10	08:30 – 09:10	P	Title: On law- and data-based methods Guirong Liu, University of Cincinnati, USA

Closing Ceremony