



Final Program



3rd Edition of Mechanical and Aerospace Engineering Virtual

April 12, 2024

V-MAE2024

Contact us:

Contact: +91 9440424355

E-mail: v-mae2024@sciwideonline.com

Website: <https://www.sciwideonline.com/v-mae2024/>

Webinar
TimingsSpeakers
Timings

07:00 – 07:10

Introduction

07:10 – 07:45

15:10 – 15:45

K

Title: Sustainable Hybrid Coating on Ti-alloy using Liquid Additive Manufacturing Approach

Md Abdul Maleque, International Islamic University, Malaysia.

07:45 – 08:20

15:45 – 16:20

K

Title: Converting Recycled PET into high-performance polymeric materials

Zurina Mohamad, Universiti Teknologi Malaysia, Malaysia.

08:20 – 08:55

16:20 – 16:55

K

Title: A novel rate-independent smooth plasticity-based constitutive theory

Prakash Thamburaja, Universiti Kebangsaan, Malaysia.

08:55 – 09:30

16:55 – 17:30

K

Title: Phase-field fracture analysis for implicit geometric model via adaptive extended isogeometric analysis

Zhaohui Xia, Huazhong University of Science and Technology, China

09:30 – 10:05

12:30 – 13:05

K

Title: Hierarchical Flight Control System for Tilt-Rotor Drones

Nickolay Mykola Zosimovych, National Aviation University NAU, Ukraine.

10:05 – 10:40

18:05 – 18:40

K

Title: Broadband noise control by compact microperforated panel absorber

Yat Sze Choy, The Hong Kong Polytechnic University, Hong Kong.

10:40 – 11:15

18:40 – 19:15

K

Title: Research on dynamic characteristics of integrated transmission based on digital twin method

Liang Yu, Beijing Institute of Technology, China.

11:15 – 11:50 19:15 – 19:50 K

Title: Connected Intelligent Mechanical System in the Cyber-physical Era: Challenges and Opportunities

Madya Mohamad Hanif Bin Saad, Universiti Kebangsaan Malaysia, Malaysia.

11:50 – 12:25 07:50 – 08:25 K

Title: Improved efficiency of turbomachinery through surface engineering

K Anand, Retiree and Consultant, India.

12:25 – 13:00 15:25 – 16:00 K

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

Seongwoo Woo, Ethiopian Technical University, Ethiopia.

13:00 – 13:35 07:00 – 07:35 K

Title: Torsion Energy to Control an Electromagnetic Plasma in a Reactor: Analysis in two Regimes

Francisco Bulnes, Tecnológico de Estudios Superiores de Chalco, Mexico.

13:35 – 14:10 07:35 – 08:10 K

Title: Expanding Horizons: The Application of Fiber Metal Laminates in Aeronautics and Potential for Diversification into Other Industries

Jose Gonzalo Carrillo, Centro de Investigación Científica de Yucatán, Mexico.

14:10 – 14:45 16:10 – 16:45 K

Title: SME 5.0 – Introduction of Industry 5.0 in Small and Medium Sized Enterprises

Erwin Rauch, Free University of Bolzano, Italy.

14:45 – 15:05 23:45 to 24:05 I

Title: Complex dynamics and vibration suppression of conceptual airfoil models with random loadings

Qi Liu, Tokyo Institute of Technology, Japan.

15:05 – 15:25 23:05 – 23:25 I

Title: Rate-dependent tipping and dodge in thermoacoustic systems under different random loadings

Xiaoyu Zhang, Qingdao University of Technology, China.

15:25 – 15:45 09:25 – 09:45 I

Title: Fractional Observers for the Estimation of Faults in a FHPS
Mechatronic System

Arturo Govea-Vargas, CINVESTAV-IPN, Mexico.

Closing Ceremony