

International conference on
**Aerospace &
Aeronautical Engineering**

22-23
JULY 2025

Webinar

**Theme: Innovations in
Aerospace Engineering:
pioneering the Future of Flight**

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Keynote Presentation

Dariusz Jacek Jakobczak

Koszalin University of Technology, Poland

Title: Reconstruction of Multidimensional Data on Intelligent Technology and Artificial Intelligence

Keynote Presentation Slots are Available

Oral Presentations

Mengyuan Hu

Beihang University, China

Title: Investigation of functionally graded triply periodic minimal surfaces with graphene-reinforced AlSi1

Hassan Eldeeb

University of the West of England, UK

Title: Trajectory Optimization and Control for Autonomous Spacecraft Docking experience

Shufan Wu

Shanghai Jiao Tong University, China

Title: Key Technologies of Inertial Sensor for Space Gravitational Wave Detection Health.

Vladimir G. Chigrinov

Hong Kong University of Science and Technology, Hong Kong

Title: Azodye Photoaligned Nanolayers for Liquid Crystal Devices: New Displays and Sensor Applications

Vitale Diamandi

University of Michigan, USA

Title: Navigating the Future of Aerospace and Harnessing Gen Z's Vision

Lori D. Coombs

Marymount University, USA

Title: Understanding the Implications of Cyber-relevant Cognitive Vulnerabilities and Their Impacts on Protecting Aerospace & Aeronautical Systems from Cyber-Attacks

Yusuf Berkay Istanbul Technical University, Turkey	Title: Sonobuoy Parachute Design and examination of its connection to the body
Allen John Darin J Mahendra Engineering College, India	Title: Innovations in Aerospace Fastening: Aluminum-Carbon Fiber Joints
Serhii Shevchenko G.E. Pukhov Institute for Modelling in Energy Engineering, Ukraine	Title: Sealing systems and their influence on rotor dynamics
Juan de Dios Fuentes Universidad Nacional del Comahue, Argentina	Title: Uncertainty Quantification: A Framework for Robust CubeSat Structural Design
Saumya Shekar TU Darmstadt, Germany	Title: Bio-Based ethanol propellants for upper-stage rocket
Hui XU Shanghai Jiao Tong University, China	Title: Modern Computational Methods and their Applications in Complex Flows
Bosung Kim Korea Aerospace Industries Ltd, Korea	Title: Automatic Packet Generation Tool for LEO Satellite Telemetry Downlink
Awais Khan Beijing Institute of Technology, China	Title: Interval Observer-Based Fault Detection in Aerospace Systems

Baode Zhang

Liaoning Petrochemical Univeristy, China

Title: The crosslinking behaviors tune the performances of PMR polyimide matrix of advanced carbon fiber composites

Nicholas Tan

Vice President SIAE, Singapore

Title: Supporting Asia on Safety, Certification, and Training

Jackey CheungThe Chinese University of Hong Kong,
Hong KongTitle: Adaptive Healthcare Applications using Hyperledger Blockchain

Aaditya Mathur

Khan Lab School, United States

Title: Testing turbine configurations to generates the most wind-power on a plane in flight

Oral Presentation Slots are Available**Poster Presentation****Furkan ONAL**

East Technical University Ankara, Turkey

Title: Prediction of Unsteady Flow Field Around Missile Geometry by Using Deep Learning Methods

Mr. Majid Abbasi

Yazd University, Iran

Title: The Inverse IRL Control Problem (Inverse Reinforcement Learning), a model-free data-driven inverse IRL algorithm without knowing fully system model for aircraft control application

Poster Presentation Slots are Available