

AEROS CONFERENCE 2023
ZENITH HOTEL PUTRAJAYA, 16TH DECEMBER 2023
ROOM: ZENITH III & IV

PROGRAM TENTATIVE

TIME	PROGRAM	
8.00 AM	CONFERENCE REGISTRATION WELCOME LIGHT BREAKFAST	
9.00 AM	CONFERENCE OPENING <i>Welcome Address by Conference Chairman</i>	
9.10 AM	KEYNOTE SESSION 1 Prof. Yueh-Heng Li, National Cheng Kung University, Taiwan Title: Electric Propulsion Systems for Micro Satellites	
9.45 AM	KEYNOTE SESSION 2 Mr. Muhamad Nurazmi, Chief Executive Officer, Gading Group Bhd.	
10.20 AM	CLOSING OF KEYNOTE SESSION <i>Keynote Souvenir Ceremony</i> <i>Group Photo</i>	
10.30 AM	MORNING TEA BREAK	
11.00 AM	SESSION 1A	SESSION 2A
12.30 PM	LUNCH BREAK	
2.00 PM	SESSION 1B	SESSION 2B
4.15 PM	TEA BREAK	
4.30 PM	CONFERENCE CLOSING <i>Session Chair Souvenirs</i> <i>Best Paper and Best Presenter Awards Ceremony</i> <i>Closing Remarks by Conference Co-Chairman</i>	
4.45 PM	END OF CONFERENCE	

AEROS CONFERENCE 2023
LIST OF PAPER PRESENTATIONS
ROOM: ZENITH III

TIME	PAPER
SESSION 1A Session Chairman: Dr. Mohd Hanif Mohd Ramli, Universiti Teknologi MARA Shah Alam	
11.00 AM	Aerodynamic Studies of Flow Control Method Using UTM Aerolab NACA-0012 <i>Shabudin Mat, Universiti Teknologi Malaysia</i>
11.15 AM	Attitude Control Performance of an Active Force Control-Based Control Moment Gyros Satellite During Gimbal Angle Compensation Operation <i>Mohd Badrul Salleh, Universiti Teknologi Malaysia</i>
11.30 AM	Multi-GNSS Performance of Dual-Frequency Smartphones in Satellite Tracking <i>Nurul Nadhirah Yusaimi, Universiti Sains Malaysia</i>
11.45 AM	Review of Flight Dynamics and Controller Design for Unstable Approach during Landing <i>Syed Asif Uz Zaman, Universiti Putra Malaysia</i>
12.00 PM	Evaluation of Velocity Field Histogram (VFH) Method for Obstacle Avoidance of Unmanned Aerial Vehicle <i>Nur Athirah Nadwa Rosli, Universiti Teknologi Malaysia</i>
12.15 PM	Autotuning PID of Quadplane Hybrid UAV using Differential Evolution Algorithm for Drone Delivery <i>Mohammad Fahmi Pairan, Universiti Tun Hussein Onn Malaysia</i>
SESSION 1B Session Chairman: Dr. Khairul Dahri Mohd Aris, Universiti Kuala Lumpur - MIAT	
2.00 PM	Visualizing Loosened Fastener through Frequency-Wavenumber Analysis of Ultrasonic Wavefield <i>Mohammad Yazdi Harmin, Universiti Putra Malaysia</i>
2.15 PM	RPAS Technology for Enhanced FOD Detection: KLIA Case Study <i>Mohd Hanif Mohd Ramli, Universiti Teknologi MARA Shah Alam</i>
2.30 PM	Airport Passengers Movement Trend Prediction by Means of Machine Learning and Deep Learning <i>Mileniawan Januar Ramadhani, Indonesian Directorate General of Civil Aviation Regional Office VI</i>
2.45 PM	U-Space ConOps Implementation in Malaysia based on EASA Regulation <i>Mohd Aifaa Mohd Ariff, Universiti Tun Hussein Onn Malaysia</i>
3.00 PM	Employability Trend of Aviation Graduates in Malaysia: A Pre- and Post- Covid-19 Comparison from a Training Organization Perspective <i>Shahani Aman Shah, Universiti Kuala Lumpur - MIAT</i>
3.15 PM	Optimizing the Channel-Wing Lifting Line Theory Numerical Model via Particle Swarm Optimization Method <i>Wong Jun Ta, Universiti Putra Malaysia</i>

TIME	PAPER
3.30 PM	Experimental Study on Improvisation of Tesla Micro-Turbine <i>Muhammad Nor Ikmal Muhamad Nazri, Universiti Putra Malaysia</i>
3.45 PM	Sizing for Battery Powered, Non-Rigid, Finless Airship for Low Altitude Application <i>Ahmad Salahuddin Mohd Harithuddin, Universiti Putra Malaysia</i>
4.00 PM	Performance Analysis of H-Rotor Darrieus Wind Turbine with Whale Tubercles Leading Edge Blades <i>Mohammad Adha Nurdin, Universiti Kuala Lumpur – MIAT</i>

AEROS CONFERENCE 2023
LIST OF PAPER PRESENTATIONS
ROOM: ZENITH IV

TIME	PAPER
SESSION 2A Session Chairman: Dr. Syamimi Saadon, Universiti Putra Malaysia	
11.00 AM	Superelasticity Behaviour of NiTi Actuator at Different Strain Rates <i>Sivasanghari Karunakaran, Universiti Putra Malaysia</i>
11.15 AM	Aerodynamic Analysis of Cylinder to Flat Plate Embedment for Agriculture Purposes <i>Sara Wajiha Azman, Universiti Putra Malaysia</i>
11.30 AM	A Case Study of Process Review for Aircraft Composite Component Repair Utilizing Autoclave Curing <i>Khairul Dahri Mohd Aris, Universiti Kuala Lumpur - MIAT</i>
11.45 AM	Fatigue Life Prediction on Critical Component for Structure Life Extension of X – Aircraft <i>Sulaiman Kamarulazizi, Universiti Putra Malaysia</i>
12.00 PM	Comparative Study of Fluid-Structure Interaction Approaches for High Aspect Ratio Wing Applications <i>Ainaa Nabilah Mohd Nazri, Universiti Pertahanan Nasional Malaysia</i>
12.15 PM	Permeability Study of Woven Flax Fabrics in Vacuum Infusion Process using Flow Analysis Approach <i>Nurul Zuhairah Mahmud Zuhudi, Universiti Kuala Lumpur - MIAT</i>
SESSION 2B Session Chairman: Dr. Mohd Badrul Salleh, Universiti Teknologi Malaysia	
2.00 PM	Aerodynamics Analysis of a Boomerang Blended-Wing-Body Unmanned Aerial Vehicle using Different Numerical Simulation Tools <i>Atikah Basyirah Abdul Muta'ali, Universiti Teknologi MARA Shah Alam</i>
2.15 PM	Aerodynamic Analysis of Modified NACA 4415 Airfoil with Humpback Whale Tubercles Inspired Leading Edge <i>Muhammad Fadhly Malik, Universiti Kuala Lumpur – MIAT</i>
2.30 PM	Investigation of Heat Transfer Enhancement via Dimpled Target Surface Configuration and Jet Arrangement in Impingement Cooling <i>Muhammad Fitri Mohd Zulkeple, Universiti Putra Malaysia</i>
2.45 PM	Aerodynamic Evaluation of UiTM's Blended Wing Body Unmanned Aerial Vehicle at Different Elevon Configurations using Vortex Lattice Method <i>Azraai Osman, Universiti Teknologi MARA Shah Alam</i>
3.00 PM	Static Hot-Fire Testing of A Green Hybrid Rocket Engine <i>Mohamed Tarmizi Ahmad, Universiti Pertahanan Nasional Malaysia</i>
3.15 PM	Computational Fluid Dynamics (CFD) Simulations of Wavy Leading Edge NACA0012 Wings <i>Firdaus Mohamad, Universiti Teknologi MARA Shah Alam</i>

TIME	PAPER
3.30 PM	Investigation on Regression Rate Behavior of Polyactic Acid Manufactured by Fused Deposition Modeling for Hybrid Rocket Motor <i>Najihah Abd Razak, International Islamic University Malaysia</i>
3.45 PM	Low-Cost Analytic Analysis for Civilian Rocket Flare using Solid Rocket Propellant (SRP) Composition <i>Iman Baihaqie Isyraq Isrul, Universiti Kuala Lumpur – MIAT</i>
4.00 PM	Energy and Exergy Theoretical Combustion Analysis for Hydrogen Blended with Traditional Fuel <i>Aman Mohd Ihsan Mamat, Universiti Teknologi MARA Shah Alam</i>

ATTENDANCE LIST

No.	Name	Signature
1.	MUHAMMAD HANAFI AZAMI	
2.	RIZAL EFFENDY MOHD NASIR	
3.	MOHAMMAD YAZDI HARMIN	
4.	ZURRIATI MOHD ALI	
5.	SYAMIMI SAADON	
6.	ERMIRA JUNITA ABDULLAH	
7.	ABD RAHIM ABU TALIB	
8.	FAIRUZ IZZUDDIN ROMLI	
9.	NUR MUHAMMAD FAIRUZ	
10.	KHISHO NATHAN A/L PATHMA NATHAN	
11.	SARVEISHINI YOGENDRAN	
12.	SIM REN JIN	
13.	DIDA AMMIRUN DAUD	
14.	SITI ZAFIRAH ABDUL KADIR	
15.	MILENIAWAN JANUAR RAMADHANI	
16.	DAYANG LAILA ABANG ABDUL MAJID	
17.	SIVASANGHARI KARUNAKARAN	
18.	MOHD BADRUL SALLEH	
19.	LIEW CHEE LEONG	
20.	MOHD FAISAL ABDUL HAMID	
21.	NUR ATHIRAH NADWA ROSLI	
22.	MUHAMMAD FITRI MOHD ZULKEPLE	
23.	NURUL NADHIRAH YUSAIMI	
24.	IMAN BAIHAQIE ISYRAQ ISRUL	
25.	MOHD HANIF MOHD RAMLI	

No.	Name	Signature
26.	AZRAAI OSMAN	
27.	SYED ASIF UZ ZAMAN	
28.	KHAIRUL DAHRI MOHD ARIS	
29.	AINAA NABILAH MOHD NAZRI	
30.	MOHD AIFAA MOHD ARIFF	
31.	NURUL ZUHAIKHAH MAHMUD ZUHUDI	
32.	AMAN MOHD IHSAN MAMAT	
33.	PENGIRAN MUHAMMAD BAZIL PENGIRAN ZAINUL SHAM	
34.	MOHAMMAD FAHMI PAIRAN	
35.	ATIKAH BASYIRAH ABDUL MUTA'ALI	
36.	LI XIRUI	
37.	WONG JUN TA	
38.	SHABUDIN MAT	
39.	MOHAMED ABDELMONIM MOWHOUB	
40.	MOHAMMAD ADHA NURDIN	
41.	MUHAMMAD FADHLY MALIK	
42.	MUHAMMAD NOR IKMAL MUHAMAD NAZRI	
43.	MOHAMED TARMIZI AHMAD	
44.	MD AMZARI MD ZAHIR	
45.	FIRDAUS MOHAMAD	
46.	SHAHANI AMAN SHAH	
47.	SARA WAJIHA AZMAN	
48.	AHMAD SALAHUDDIN MOHD HARITHUDDIN	
49.	AZMIN SHAKRINE MOHD RAFIE	
50.	SYARIL AZRAD MD ALI	
51.	SULAIMAN KAMARULAZIZI	

No.	Name	Signature
52.	NAJIHAH ABD RAZAK	
53.	KIKI RAHMAT SYAIR	
54.	MUHAMMAD SYAKIR IMAN ROSLAN	
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