

ISAE 2021

1st International Seminar on Aeronautics and Energy 2021
28th August 2021, Saturday | Johor Bahru, Malaysia

ABOUT THE CONFERENCE

Conference Chair Welcome Message:

On behalf of the organising and program committees, I am honoured to welcome you to **1st International Seminar on Aeronautics & Energy (ISAE 2021), 28 August 2021**.

The main objective of 1st International Seminar on Aeronautics & Energy (ISAE 2021) is to share the current state of the art research in aeronautics and energy. The seminar is also held in conjunction with the 20th anniversary of the establishment of UTM Aeronautics Laboratory (UTM Aerolab).

We are also incredibly grateful to have more than ten keynote talks, all aimed at sharing knowledge and to generate fruitful discussion. The esteemed keynote speakers will share their experiences in several key research areas in Aeronautics and Energy.

We would like to express our gratitude to all those who contributed towards providing quality content to this conference.

IR. DR. SHABUDIN BIN MAT
Conference Chair
Director of UTM Aerolab
Universiti Teknologi Malaysia



IMPORTANT DATE

Full Paper submission
5 August 2021

Notification of Acceptance
20 August 2021

ACTIVITY

- ✓ Paper Presentation
- ✓ Networking & Discussion
- ✓ MOU & MOA Activities

REGISTRATION FEE

- ✓ Local Participant : **RM 100**
- ✓ International Participant : **USD 25**

TOPICS

- ✓ Aerodynamics
- ✓ Energy
- ✓ OTEC
- ✓ Renewable Energy
- ✓ Aeroelasticity
- ✓ Aerospace Manufacturing
- ✓ Aerospace Structures & Materials
- ✓ Aircraft Design & Technology
- ✓ Aircraft Guidance & Control
- ✓ Aircraft Maintenance
- ✓ Aircraft Systems & Avionics
- ✓ Aviation Management
- ✓ Geosciences & Remote Sensing
- ✓ Lighter Than Air (LTA) Vehicle
- ✓ Propulsion & Turbomachinery
- ✓ Unmanned Aerial Vehicle (UAV)
- ✓ Rocket and Missile

For more details, scan the QR code or visit <https://aerolab.utm.my/isae2021>



SCAN ME

INDEXING DATABASE:

Scopus[®]
Google Scholar

**** Selected Papers will be published in Journal of Aeronautics, Astronautics and Aviation (JoAAA), NCKU or Journal of Fluid and Structural Mechanics**

KEYNOTE SPEAKERS



DR. GARY ELFSTROM
UNIVERSITY OF ONTARIO INSTITUTE OF TECHNOLOGY (UOIT)



PROF. DR. ANTON ADIBROTO
ADVISOR TO INDONESIAN PRESIDENT & DIRECTOR PT REGIO AVIASI INDUSTRI



PROF. GEORGE N BARAKOS
UNIVERSITY OF GLASGOW



PROF. JIUN-JIH MIAU
NATIONAL CHENG KUNG UNIVERSITY (NCKU), TAIWAN



IR. MOHD KHIR MUHAMMAD
VICE PRESIDENT, THE INSTITUTION OF ENGINEERS MALAYSIA (IEM)



PROF. S. THANIGAIARASU
MADRAS INSTITUTE OF TECHNOLOGY ANNA UNIVERSITY, CHENNAI

ORGANIZING COMMITTEE

Conference Patron
Conference Advisor
Conference Chairman
Deputy Chairman
Secretariat I
Secretariat II
Treasurer
Technical Programme Committee

ASSOC. PROF. DR. IR. ZAINI BIN AHMAD, CEng
PROF. DR. IR. TS. PAKHARUDDIN BIN MOHD. SAMIN
DR. IR. SHABUDIN BIN MAT, CEng
DR. ISKANDAR SHAH BIN ISHAK, CEng
DR. MASTURA BINTI ABDUL WAHID
DR. MUHAMMAD FARUQ FOONG BIN MOHAMAD FAIZ FOONG
DR. NORAZILA BINTI OTHMAN
ALL AERO LECTURERS

ORGANIZED BY:



ISAE 2021

PROGRAMME SCHEDULE

Saturday 28th August 2021

TIME	SPEAKERS	TOPICS
7:30 – 8:00 AM	Doa & Registration	
8:00 – 8:30	Opening Remarks	TNCPI, Dean of FE and Chair of SME

KEYNOTE SESSION 1

8:30 – 9:00 AM	Keynote 1: Dr. Gary Elfstrom	<i>To be updated</i>
9:00 – 9:30	Keynote 2 : Professor Anton Adibroto	<i>Past and Future of UTM-LST</i>
9:30 – 10:00	Keynote 3 : Professor George N Barakos	<i>Recent Progress in rotary wing simulation</i>
10:00 – 10:30	Keynote 4 : Professor Miao, Jiun-Jih	<i>Past and Future research in Experimental Aerodynamics</i>
10:30 – 11:00	Keynote 5 : Professor S Thanigaiarasu	<i>Isolator Performance of Scramjet Engine</i>

KEYNOTE SESSION 2 (Former Head of Lab & UTM Aerolab)

11:00 – 11:20 AM	Ir. Mohd. Khir Bin Muhammad	<i>Malaysia's First Wind Tunnel : From Dream to Reality</i>
11:20 – 11:40	Professor Dr. Mohd Nazri Bin Mohd Jaafar	<i>Diversification of Aeronautics Research at Aerolab</i>
11:40 – 12:00	Professor Dr. Ir. Shuhaimi Bin Mansor	<i>Appreciation of wind tunnel design, technology and applications</i>
12:00 – 12:20 PM	Professor Dr. Ir. Wan Khairuddin bin Wan Ali	<i>Diversifying Aerolab resources for income generation.</i>
12:20 – 12:40	Dr. Ir. Shabudin Bin Mat	<i>UTM Aerolab towards COE & ISO 17027 : Way forward</i>

12:40 – 1:30 PM MOU SIGNING & NETWORKING

1:30 – 2:00 BREAK

TECHNICAL PAPER PRESENTATION

2:00 – 6:00 PM (10 MINUTE EACH)	Presenter 1 – Presenter XX	Paper 1 – Paper XX
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