

Half-Day Talk on “Opportunities and Challenges in Operating Wind Tunnel”

Date : Saturday, 11 February 2023
Time : 9.00 a.m. – 1.00 p.m.
Venue : IEM (Southern Branch) Training Centre, 24B, Jalan Abiad, Taman Tebrau Jaya, 80400 Johor Bahru.
Speaker : Ir. Assoc. Prof. Dr. Shabudin Bin Mat, UTM

Synopsis

Universiti Teknologi Malaysia Aeronautics Laboratory (UTM Aerolab) is a one of UTM research centre that focus aerospace, automotive and wind engineering research activities, industrial consultation and support on educational development in UTM. The main facility is a Low-Speed Wind Tunnel (UTM-LST) with a maximum wind speed of 290 km/h and excellent flow qualities. The laboratory aims to be the focal point and centre of excellence in wind tunnel testing in Malaysia and the Asia-Pacific region. The laboratory is accredited under MS ISO/IEC 17025:2017 in 2021. The talk will further discuss the challenges and opportunities in operating this laboratory.

Time	Tentative Programme
8.30 a.m. – 9.00 a.m.	Registration
9.00 a.m. – 9.10 a.m.	Welcome Speech by IEM (SB) Organising Committee
9.10 a.m. – 10.30 a.m.	Session 1
10.30 a.m. – 10.45 a.m.	Coffee Break
10.45 a.m. – 12.30 p.m.	Session 2
12.30 p.m. – 1.00 p.m.	- Case study and Discussion - Question & Answer Session
1.00 p.m.	Closing & End of Talk

About the Speaker:



Ir. Assoc. Prof. Dr. SHABUDIN BIN MAT received a Bachelor’s degree in Mechanical Engineering (Aeronautics) from Universiti Teknologi Malaysia in 1997. In 1998, he went to Ecole Nationale Supérieure d’Ingenieurs de Constructions Aeronautiques (ENSICA) situated in Toulouse, France for his Master’s degree. Dr. Shabudin was awarded a scholarship by Islamic Development Bank to pursue his PhD study at Glasgow University on Wind Tunnel Testing Technique from 2005 – 2010. The title of his thesis is The Analysis of Flow on Round-Edged Delta Wings. He was appointed as a Lecturer at the School of Mechanical Engineering, Universiti Teknologi Malaysia (UTM) and attached with a panel of Aeronautics, Automotive & Ocean Engineering. His responsibility includes delivering lectures at undergraduate and postgraduate level on several engineering courses such as statics, technical drawing, engineering drawing, flight economy, laboratories, engineering professional practice, industrial aerodynamics & wind engineering, modern compressible flow and experimental aerodynamics. He has supervised 5 PhD students and 20 master students and has led 14 research grant projects mostly on wind tunnel experiments. Dr. Shabudin also has published more than 80 articles on Wind Tunnel Testing which include American Institute of Aeronautics and Astronautics technical paper. At the national level, he is Senior Assessor, Malaysian Quality Assurance (MQA). Dr. Shabudin is a Registered Professional Engineer (P.Eng) with BEM and C.Eng (UK).

Participant Fees:

Grade	Online
IEM Members	RM 70.00
IEM Student Members	RM 25.00
Non-IEM Member	RM 120.00

Closing Date: 3 February 2023

The seminar is strictly limited to **30 participants** only. Registration will be on a first-come-first-serve basis. Kindly return the reply slip to the IEM (SB) office before **3 February 2023** together with a non-refundable cheque for the participant fees made payable to **The Institution of Engineers, Malaysia (Southern Branch)**. Alternatively, you could bank-in the participant fees into the Institution's Maybank Current Account (No. 5-013920-15708), and to facsimile both the Bank-in and Reply Slips to the Institution. The Institution requests all members co-operation in ensuring fees are paid in advance to the seminar. Please also be reminded that fees will not be refunded to absent participants who have paid, and to also note that all reservations must be paid despite participant cancellations. Thank you for your continuous support of the Institution.

Chairman, Sub-Committee on Seminar and Technical Talk, IEM (SB)



REPLY SLIP

To: Hon. Secretary, The Institution of Engineers, Malaysia (Southern Branch) **Fax: 07 – 336 3406**

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at IEM (Southern Branch), Training Centre, 24-B, Jalan Abiad, Taman Tebrau Jaya, 80400 Johor Bahru, Johor

I wish to attend the above talk. I enclosed herewith a cheque no. for the amount of RM.....as payment for the participant fee.

Name of Member: Membership No: I/C No:

Address: Tel(O):(Fax).....

..... Tel (H/P):

..... E-mail:

Company's Name:

Signature: Date:

Note : Kindly **email to iemsouthern@gmail.com the Reply Slip together with the payment slip** for confirmation.
: Attendance by representative will not be issued with the Certificate of Attendance.

PERSONAL DATA PROTECTION ACT

I have read and understood IEM's Personal Data Protection Notice published on IEM's website at www.myiem.org.my and I agree to IEM's use and processing of my personal data