

Half-Day Talk on “ISO 17025 Uncovered: Understanding Laboratory Accreditation and Its Role in Tackling Climate Change”

Date : Saturday, 5 October 2024
Time : 9:00 a.m. – 1:00 p.m.
Venue : IEM (Southern Branch) Training Centre, 24B, Jalan Abiad, Taman Tebrau Jaya, 80400 Johor Bahru, Johor.
Speaker : Ir. Ts. Dr. Lee Man Djun, Universiti Teknologi MARA Pasir Gudang Campus

Synopsis

In an era where climate change presents one of the most pressing challenges to our global community, the accuracy and reliability of data underpinning environmental research and policy decisions have never been more critical. This talk will provide a comprehensive overview of ISO 17025, detailing its development, essential components, and the significant benefits of accreditation. By exploring the accreditation process, addressing common challenges, and showcasing real-world examples, we will uncover how accredited laboratories contribute to robust climate research and effective environmental monitoring. As we explore further into the practical steps for implementing ISO 17025 and examine the latest technological advancements and future trends, this discussion will underscore the essential link between reliable laboratory data and successful climate change mitigation strategies.

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.	- Discussion/Case study - Question & Answer Session
1:00 p.m.	Closing & End of Talk

About the Speaker:



Ir. Dr. Man Djun Lee is currently a Senior Lecturer in the College of Engineering (Mechanical) at UiTM Johor Branch, Pasir Gudang Campus. He earned his PhD in Advanced Manufacturing Engineering from the Universiti Malaysia Sarawak in 2017, where he also completed his Bachelor's Degree with First Class Honours in 2013. Dr. Lee is a registered Professional Engineer in Malaysia (P.Eng), a Fellow of the UK Higher Education Academy (FHEA), a Professional Technologist (P.Tech) with the Malaysia Board of Technologists (MBot), and a Professional Member of the Institute of Materials, Malaysia (M.I.M.M.). Dr. Lee's research interests are centered on sustainability, focusing on renewable energy (including ocean wave energy and hydropower), water research (encompassing water treatment and desalination), and waste management (such as developing novel products from agricultural waste and remanufacturing). To date, he has published over 40 research papers and completed more than 10 research projects worth over RM400,000. His contributions to environmental research include filing three patents. In recognition of his achievements, Dr. Lee was awarded the Young Developing Engineer of the Year 2021 by the Institution of Mechanical Engineers, UK. Dr. Lee's expertise in laboratory metrology spans over 7 years in the field of ISO 17025. Since 2022, he has served as a technical assessor for ISO 17025, appointed by the Department of Standards Malaysia. He has also provided consultancy and training services to assist laboratories in achieving this esteemed standard.

Participant Fees:

Grade	Fee
IEM Members	RM 80.00
Non-IEM Member	RM 150.00

Closing Date: 2 October 2024

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 **2 October 2024** 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 email both the Bank-in and Reply Slip 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)



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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:

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