

Virtual Half-Day Seminar on Applied Statistical Analysis for Transportation Engineering

Date: 24 October 2026

Time: 9.00 AM – 1.00 PM

Speaker : Assoc. Prof. Ir. Ts. Dr. Rusdi bin Rusli

BEM Approved CPD: 4 Hours
Ref. No.: IEM26/HQ/401/S(w)

	ONLINE (Log-in for registration & payment: www.myiem.org.my/member/login.aspx)	NORMAL FEE (by fax & email) Payment by cash, credit card and bank-in
IEM Student Member	40.00	50.00
IEM Graduate Member	75.00	90.00
IEM Corporate Member	125.00	150.00
Non-IEM Member	240.00	300.00

Organized by:

Highway and Transportation Engineering Technical Division (HTETD), IEM

Cancellation Policy

No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with 7 days prior notification and substitute will be charged according to membership status.

Personal Data Protection Act

I have read and understood the IEM's Personal Data Protection Notice published on IEM's website at <http://www.myiem.org.my> and I agree to IEM's use and processing of my personal data as set out in the said notice.

"IEM reserves the right to alter or cancel the programme due to unforeseen circumstances at its discretion".

**For intending participants who choose to 'walk in without prior registration',
IEM SHALL NOT be responsible for any direct or consequential losses**

SPEAKER



Assoc. Prof. Ir. Ts. Dr. Rusdi bin Rusli is an academic, researcher and professional engineer specialising in transportation engineering and road safety. He has extensive involvement in research and consultancy works related to road safety engineering, traffic and highway engineering, traffic management, highway capacity, crash modelling and advanced statistical analysis. His professional and research activities have involved various government agencies and industry organisations, including the Public Works Department (JKR), Construction Industry Development Board (CIDB), Department of Occupational Safety and Health (DOSH), Social Security Organisation (PERKESO) and TNB Labs. Among his recent major research initiatives, he involved in the development of an enhanced Work-Related Road Safety (WRRS) Framework and Guideline for the manufacturing and public services sectors in Malaysia and a project focusing on strengthening speed management policies and developing a 30 km/h school zone policy framework in Malaysia. His research and consultancy portfolio is valued at approximately RM1.05 million.

Dr. Rusdi graduated with a Bachelor of Civil Engineering (Hons.) from Universiti Sains Malaysia in 2002, a Master of Technical and Vocational Education from in 2003, and a PhD in Road Safety/Civil Engineering from Queensland University of Technology, Australia, in 2017. He is currently an Associate Professor at the Faculty of Civil Engineering, Universiti Teknologi Universiti Tun Hussein Onn Malaysia MARA (UiTM), Shah Alam. He is a Professional Engineer (Ir.) registered with the Board of Engineers Malaysia and a Professional Technologist (Ts.) registered with the Malaysia Board of Technologists. His professional interests focus mainly on transportation engineering, road safety, research, consultancy and policy development.

SYNOPSIS

This course is intended to provide transportation engineers with an overview of statistical and econometric methods commonly applied in transportation engineering. As such, the course will encompass the following key areas: -

- a) Understanding and Comparing Transportation Data
- b) Regression Modelling for Transportation Engineering
- c) Modelling Transportation Events and Behaviour
- d) Travel Demand, Mode Choice and Transportation Forecasting

The speaker will deliberate on the application of appropriate statistical methods for different transportation issues, including traffic studies, travel time and speed analysis, public transportation, travel behaviour, mode choice and road safety. The session will also discuss how statistical methods should be selected based on the research question, type of dependent variable and characteristics of the transportation data. Worked transportation examples and simple online tasks will be incorporated to assist participants in understanding the interpretation of statistical results and, more importantly, how these results can be translated into meaningful engineering conclusions and support transportation decision-making.

TENTATIVE PROGRAMME

Time	Programme
09:00 am - 09:05 am	Welcoming Remark by IEM Representative
09:05 am - 10:00 am	Understanding and Comparing Transportation Data
10:00 am - 11:00 am	Regression Modelling for Transportation Engineering
11:00 am - 11:10 am	Break
11:10 am - 12:00 pm	Modelling Transportation Events and Behaviour
12:00 pm - 1:00 pm	Travel Demand, Mode Choice and Transportation Forecasting

*** IEM reserves the right to postpone, reschedule, allocate or cancel the course**

REGISTRATION FORM

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24 October 2026

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Non-IEM Member	240.00	300.00

No	Name(s)	Membership No.	Grade	Fee (RM)
SUB TOTAL				
+ 6% SST				
TOTAL PAYABLE				

PAYMENT DETAILS :

FULL PAYMENT must be settled before commencement of the seminar, otherwise participants will not be allowed to enter the hall. If a place is reserved and the intended participant fails to attend the course, the fee is to be settled in full. If the participant failed to attend the course, the fee paid is non refundable. The Registration Fee includes lecture notes, refreshment and lunch.

For **ONLINE REGISTRATIONS**, please note that payment **MUST** be made **BEFORE** the closing date. If payment is not received within the stipulated time, the registration the registration automatically cancels..

Contact Person : _____ Designation : _____

Name of Organization : _____

Address : _____

Telephone No. : _____ (O) Fax No : _____ (O)

Handphone : _____ (HP) Email: _____

Signature & Stamp _____

Date _____

TERMS & CONDITIONS:

- For ONLINE REGISTRATIONS, only ONLINE PAYMENT is applicable [via RHB and Maybank2u – Personal Saving & Personal Current ; Credit Card - Visa/Master.
- Payment via CASH / CHEQUE / BANK-IN TRANSMISSION / BANK DRAFT / MONEY ORDER / POSTAL ORDER / LO / WALK -IN will be considered as NORMAL REGISTRATION
- The Organising Committee reserves the right to cancel, alter, or change the program due to unforeseen circumstances. Every effort will be made to inform the registered participants of any changes. In view of the limited places available, intending participants are advised to send their registrations as early as possible so as to avoid disappointment

FOR FURTHER DETAILS, KINDLY CONTACT:

The Institution of Engineers, Malaysia
Bangunan Ingenieur, Lots 60/62, Jalan 52/4, P.O. Box 223 (Jalan Sultan), 46720 Petaling Jaya, Selangor
Tel : 603-7968 4001/2 Fax : 603-7957 7678 Email : suriani@iem.org.my