Chairman, Electrical Engineering Technical Division, The Institution of Engineers Malaysia, Lots 60 & 62, Jalan 52/4, P.O. Box 223 (Jalan Sultan), 46720 PetalingJaya, Selangor Darul Ehsan Tel: 03-7968 4001/2 Fax to 03-7957 7678 (Email : valli@iem.org.my)

REGISTRATION FORM ONE DAY SEMINAR ON RAILWAY ELECTRICAL SYSTEMS FOR LRT/MRT PROJECTS IN MALAYSIA

Date : 25th May 2017 (Thursday)

(Closing Date: 22nd May 2017)

No	Name(s)	M'ship No.	Grade	Fee (RM)*
SUB TOTAL			SUB TOTAL	
ADD GST @6%				
	Total Payable			

*Fees MUST be fully paid BEFORE the CLOSING DATE. Seats could only be confirmed upon payment. Enclosed herewith a crossed cheque No: _______for the sum of RM ______ issued in favour of "<u>The Institution of Engineers, Malaysia</u>" and crossed 'A/C payee only'. I/We understand that the fee is not refundable if I/We withdraw after my/our application is accepted by the Organising Committee as stated in the cancellation term. If I/We fail to attend the seminar, the paid registration fee will not be refunded.

Contact Person: [Designation:	
Name of Organization:			
Address:			
Telephone No.:	(0)	(Fax)	
	(H)	(HP)	
Email:			
Signature & Stamp		Date	
	Photocopies are acceptable		
IEM reserves the right to postpone, resche	CANCELLATION POLICY dule, allocate or cancel the course. Full refund if can	cellation is received in writing mo	

or substitute may be made at any time with prior notification and substitute will be charged according to membership status.

e Institution of Engineers, Malaysia

The Institution of Engineers, Malaysia





25TH MAY 2017

ONE DAY SEMINAR ON RAILWAY ELECTRICAL SYSTEMS FOR LRT/MRT PROJECTS IN MALAYSIA

Organised by

Electrical Engineering Technical Division, The Institution of Engineers, Malaysia in cooperation with Institution of Railway Signal Engineers (IRSE) – Malaysian Section

Venue: Tan Sri Prof Chin Fung Kee Auditorium, Wisma IEM Time: 8.30am – 5.00pm

BEM Approved CPD/PDP hours: 5 Ref No.: IEM17/HQ/187/S

Ker NO.. 121117/110/187/3

REGISTRATION FEES (SUBJECT TO 6% GST)

	ONLINE	NORMAL (Offline)
IEM Student Member	RM 150.00	RM 180.00
IEM Graduate Member / IRSE	RM 250.00	RM 300.00
Affiliated Member		
IEM / IRSE Corporate Member	RM 400.00	RM 450.00
Non-IEM / IRSE Member	RM 800.00	RM 900.00

SYNOPSIS

The railway industry is growing rapidly in Malaysia. The continued investment by the government on the railway would mean that the industry must be prepared to transform itself in facing future challenges in terms of safety, development, train operations, maintenance and future planning. There is also a need to have a better control on the quality and types of products to be introduced in Malaysia. As more and more new products from abroad are being introduced to the industry, we must not ignore the legacy systems that had already been in place in the railway for many years in Malaysia. These pose interesting challenges to the regulator and operators. To transform the industry, we must also look into enhancing safety awareness and technical knowhow within the industry. Simultaneously, we must look into enhancing the local manufacturers to enable them to support the railway industry. Several new strategies and initiatives are being introduced for this purpose. This includes the establishment of the Railway Safety Committee, development of railway technical standards and human capital technology transfer programme.

IEM Electrical Engineering Technical Division has organised **"One Day Seminar Railway Electrical Systems For LRT/MRT Projects in Malaysia"** in cooperation with Institution of Railway Signal Engineers (IRSE) – Malaysian Section which will focus on informing participants on the knowledge of railway electrical system, types and comparisons among power rail system and application, electrical structure of traction power system, regenerative braking system, energy management in railway systems, and system assurance & RAMS. This seminar will bring together industry experts, equipment manufacturers and suppliers, owners, developers, engineering firms, and academic institutions, to benefit from large group gathering and focusing on the way forward for Malaysia's railway electrical systems.

SPEAKERS' INFORMATION

Overview of Urban Rail Development Master Plan for Greater Kuala Lumpur/Klang Valley by Mr. Yuslizar Daud, Head Rail Division SPAD

Prior to joining SPAD in 2011, Mr. Yuslizar Daud has served in various organisations both locally and overseas including British Railways Board (London), STAR LRT (KL), Express Rail Link (KL), Express Rail Link Maintenance Support (KL), Interfleet Technology Ltd (London) Network Rail (London), Transport for London (London) and Keretapi Tanah Melayu (KL). He is also a Chartered Engineer (C. Eng) and a Member of the Institution of Engineering and Technology (MIET).

IRSE and Competency by Mr. Aniket Mukhopadhyay, Institution of Railway Signal Engineers - Malaysian Section

Mr. Aniket Mukhopadhyay has been involved in various engineering projects locally and overseas such as London underground, Hunter Valley Alliance project and RGP 5 Australia, Monorail project Mumbai, Al Mashaaer Al Mugaddassah project Saudi, LRT project Jakarta and LRT3 project Malaysia. He has also been involved in railway signalling and system training projects under Ministry of Finance, Pemandu and Yayasan Peneraju Pendidikan Bumiputra. He is also a Member of the Institution of Engineering and Technology (MIET).

Design of Power Supply and Traction Power System for a 750V DC Rail Transit Project : A Case Study

by Ir. Dr. Amir Basha Ismail, Institution of Engineers Malaysia, EETD: Railway Electrical Systems WG

Ir. Dr Amir Basha Ismail served LLN/TNB for 33 years and was involved in the planning, design and operation of the 500kV/275kV/132kV National Power System Grid, and was entrusted to the university project and was made the Founding Dean of College of Engineering, University Tenaga Nasional (UNITEN). He joined Minconsult Sdn. Bhd, and was involved in power systems projects, such as power generating plants, electric traction railway projects, renewal energy projects, management and engineering audits of electricity supply industry and formulation of feasibility study reports / master plan study reports related to energy / electricity planning. He is currently the Senior Advisor Consultant at Minconsult providing expert inputs on electrical train traction power supply and distribution systems of the ongoing PRASARANA LRT 3 project.

3rd Power Rail or 3rd/4th Power Rail for DC Railway Scheme - The Choice Criteria by Mr. Bassam Mansour, Institution of Railway Signal Engineers

Mr. Bassam Mansour is an International Railway Industry Advisor - Sponsored and trained by British Railways Board, he has held a range of positions in British Railways Board front line services at both Supervisory and Senior Management levels in all Railways disciplines. He is a Fellow of the Institution of Engineering and Technology (London), and a Fellow of the Railway Signalling Engineers (London), he is internationally known and acknowledged expert in the railway Industry. He has contributed to the development of many international railway standards including EN and BS, and delivered many technical papers on the design and delivery of international railway projects.

Earthing System Analysis for a Light Rail Transit Project: A Case Study by Ir. Dr. Aziz Marzuki Ahmad Marican, Diagnostic Consultancy & Services

Ir. Dr. Aziz Marzuki is the Principal Engineer of DCS Engineering Sdn Bhd. The company specialises in power system earthing, and have been involved in the substation earthing design work at all voltage levels, from LV to 500kV. The company have also been called upon to design the earthing system of the 132kV feeder stations for KTMB's Ipoh-Padang Besar and Seremban-Gemas double-tracking projects, and also to perform earthing studies for the Kelana Jaya LRT extension project.

Traction Power Receptivity for Train Braking Regenerative Energy Recovery System by Mr. Wojciech Kolomyjski, ABB Inc.

Mr. Wojciech Kolomyjski received his Master and PhD degrees from Institute of Control and Industrial Electronics, Warsaw University of Technology in Poland. His work focus were Adjustable Speed Drives Control Techniques and Pulse Width Modulation strategies in Multilevel Converters. He started his professional work in TRUMPF in 2008, focusing on development of power supplies for Plasma and laser applications for semiconductor industry. In 2013 he joined ABB Corporate Research Center in Krakow, Poland. His work is focused on development of IGBT power converters for DC Traction infrastructure.

Tr Systems Assurance for Urban Railway Operation by Dr. Ajeet Kumar, L & T Technology Services

Dr. Ajeet Kumar is a system assurance manager with more than 16 years of experience on system assurance & RAMS (rails and infrastructure system). Dr Ajeet Kumar has hands on experience on both product and project RAMS, form planning to execution of Metro Rail Projects. Contributed many international and national metro and rail projects such as Delhi Metro (India), Sao Palo Metro (Brazil), Jakarta Metro (Indonesia), Network Rail (UK), Doha Metro (Qatar), Sydney Metro (Australia), Hyderabad Metro (India), and Invensys Rail (UK & USA). Contributed many research papers and articles on the subject and delivered many invited talk for Industries and academia such as Atkins Gurgaon, L&T Metro Hyderabad, HBL Hyderabad, IIT Kharagpur, IMRT Hyderabad, IIM Raipur, IIIT Hyderabad, NIT Patna, ESCI Hyderabad, GBU Gr. Noida, AKTU Lucknow and JNTU Hyderabad.

Tentative Programme						
08:30 - 09:00	Registration					
09:00 - 09:15	Opening Remarks	Ir. Chong Chew Fan, Institution of Engineers Malaysia, EETD Chairman				
09:15 – 10:00	Keynote Address by Suruhanjaya Pengangkutan Awam Darat (SPAD) - Overview of Urban Rail Development Master Plan for Greater Kuala Lumpur/Klang Valley	Mr. Yuslizar Daud, Head Rail Division SPAD				
10:00 - 10:30	Coffee Break					
10:30 - 11:00	IRSE and Competency	Mr. Aniket Mukhopadhyay, Institution of Railway Signal Engineers - Malaysia Section				
11:00 - 11:45	3rd Power Rail or 3rd/4th Power Rail for DC Railway Scheme - The Choice Criteria	Mr. Bassam Mansour, Institution of Railway Signal Engineers				
11:45 - 12:30	Design of Power Supply and Traction Power System for a 750V DC Rail Transit Project : A Case Study	Ir. Dr. Amir Basha Ismail, Institution of Engineers Malaysia, EETD: Railway Electrical Systems WG				
12:30 - 13:15	Earthing System Analysis for a Light Rail Transit Project: A Case Study	Ir. Dr. Aziz Marzuki Ahmad Marican, Diagnostic Consultancy & Services				
13:15 - 14:15	Lunch					
14:15 - 15:00	Traction Power Receptivity for Train Braking Regenerative Energy Recovery System	Mr. Wojciech Kolomyjski, ABB Inc.				
15:00 - 15:45	Systems Assurance for Urban Railway Operation	Dr. Ajeet Kumar, L & T Technology Services				
15:45 - 16:15	Coffee Break					
16:15 - 17:00	Systems Assurance for Urban Railway Operation (cont.)	Dr. Ajeet Kumar, L & T Technology Services				
17:00	End of Seminar					

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

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.