

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

REGISTRATION FORM

One Day Course on "Digital Video Broadcast – Terrestrial 2"

Date : 14th May 2016

Venue : C&S &TUS Lecture Hall, 2nd Floor Wisma IEM, Petaling Jaya

Closing Date : 09th May 2016

No	Name(s)	M'ship No.	Grade	Fee (RM)*
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 "**The Institution of Engineers, Malaysia**" 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.: _____ (O) _____ (Fax)

_____ (H) _____ (HP)

Email: _____

Signature & Stamp

Date

Photocopies are acceptable



The Institution of Engineers, Malaysia

ONE DAY COURSE ON "DIGITAL VIDEO BROADCAST-TERRESTRIAL 2"

Organised by: Electrical Engineering Technical Division, IEM

Date : 14th May 2016

Venue : C&S &TUS Lecture Hall, 2nd Floor Wisma IEM, Petaling Jaya

Time : 9.00 a.m. - 5.30 p.m.

BEM Approved CPD/PDP Hours : 6

Ref No: IEM16/HQ/037/C

REGISTRATION FEE (GST NOT INCLUDED)

Registration Fee	Normal Fee	On-line Fee
IEM Student Member	: 180.00	150.00
IEM Graduate Member	: 300.00	250.00
IEM Corporate Member	: 450.00	400.00
Non IEM Member	: 600.00	550.00

Closing Date : 09th May 2016

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.

SYNOPSIS DIGITAL VIDEO BROADCAST-TERRESTRIAL 2

Digital Video Broadcast-Terrestrial 2 would be implemented nationwide before the end of 2016. This 1 day course is to introduce both academicians and practising engineers to the theory and application of DVB-T2 .

DVB-T2 is a second generation terrestrial broadcast system and much more complicated than its predecessor DVB-T thus causing lack of understanding among engineering personnel. Both the theory and the practical application of DVB-T2 would be presented in simplified terms. Discussion would include an end to end DVB-T2 broadcast chain from transmitter to receiver. DVBS2 (Satellite) would also be introduced to make the course more interesting

Comparison would be made between present analogue PAL TV and Digital TV. DVB-T2 enables the transmission of HDTV as a practical proposition. HDTV receivers are now sold in Malaysia at a very reasonable cost thus enabling the public the opportunity to view Free to Air High Definition TV programmes.

SPEAKER: Ir. V.JEEWA

B.Eng, M.Eng, ,MIEM ,MIET, C.Eng, P.Eng



V.Jeewa was appointed as a Broadcast Engineer to Radio TV Malaysia in 1979. He has served the Malaysian Government for more than 35 years and the last position he held before retiring was Deputy Director, Tun Abdul Razak Broadcast & Information Institute, Ministry of Communication & Multimedia.

Ir V. Jeewa holds a Masters in Telecommunication Engineering from the University of Malaya and a Bachelor of Engineering (Electrical)

from University Technology Malaysia. His past academic experience include being a part time lecturer at University of Technology MARA. He has presented papers and delivered lectures in his specialised field. The Institution of Engineers has also awarded him twice the Tan Sri Hj Yusof Ali Prize in 2006 and 2009 for best technical paper in the Electrical field. He has also won the Asia Pacific Broadcasting Union {ABU} Second Best Article in 2010.

He is presently attached to the Lee Kong Chian Faculty of Engineering and Science, University Tunku Abdul Rahman , Malaysia as part of the academic staff holding the post of Specialist II. He is also conducting research into Digital Broadcasting and pursuing the Ph.D in the same field.

PROGRAMME

0900-1030pm	1. Introduction Deficiencies of Analogue TV Broadcasting , First Generation DVB-T, World Wide Developments 2. Digital Television a) Source Coding -Audio & Video Compression (HEVC) b) Channel Coding – Error Correction Codes (BCH,LDPC)
1030-1100pm	Tea Break
1100- 1230pm	c) Digital Modulation- QPSK,16 QAM,64 QAM,256 QAM d) Orthogonal Frequency Division Multiplex (OFDM) e) Surround Sound 3. DVB-T2 Simplified Model of DVB-T2 Broadcast Chain
12.30-01.30pm	Lunch Break
1400- 1530pm	4. DVB-Satellite 2 (DVB-S2) Common Technical Features and Differences of the DVB Family of Satellite, Terrestrial , Cable Standards 5. Practical Application Transmitter Coverage, Single Frequency Network, Standard Definition TV (SDTV) , High Definition TV
15.30 – 16.00pm	Tea Break
1600-1700pm	6. Future Developments Ultra-High Definition TV (UHDTV), 7. Q & A

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.

CANCELLATION POLICY

IEM reserves the right to postpone, reschedule, allocate or cancel the course. Full refund if cancellation is received in writing more than 7 days before start date of the event. No cancellation will be accepted prior to the date of the event. However, replacement or substitute may be made at any time with prior notification and substitute will be charged according to membership status.