

REGISTRATION FORM

To confirm your registration, please complete this form including payment.

- YES! Please register the following participant(s) for this course
- I am interested but unable to attend. Please put me on your mailing list

Please tick (/) where applicable

Course Name : **Short Course in High Frequency Radio Communication**

Date/ Venue : **3 Days / UTM Johor Bahru**

Fee : **RM1590.00** per pax
Includes refreshment, course material & Certificate of Attendance

Please contact MS NURUL AIN at 07-5318044/ 019-7700446 for special package (more than 20 persons) and accommodation.

*DETAILS OF PARTICIPANT ATTENDING THE COURSE :

No.	Name of Participant	Mobile No.	Email	NRIC (for HRDF claim)	Fee (RM)

(Please attach a separate list if necessary)

*UTMSPACE respects the privacy of its customers with regards to personal data. For further details, please visit: www.utmspace.edu.my/pdpa

Total

SPONSORSHIP : Self-Sponsored Company-Sponsored

INDIVIDUAL / COMPANY DETAILS (for issuance of invoice) :

Organisation : _____

Address : _____

Contact Person : _____ Co. Reg. No* : _____
*If applicable

Tel No. : _____ Designation : _____

Fax No. : _____ Email : _____

Cancellations received in writing 30 days prior to the programme are eligible for a refund, subject to a 15% cancellation fee. Cancellations received less than 14 days from the date of the programme are not eligible for a refund. However, substitute attendees are welcome. Please note that the speakers and topics are confirmed at the time of printing. However, circumstances beyond the control of the organisers may necessitate substitutions or cancellations of speakers and/or topics. As such UTMSPACE reserves the right to alter or modify the advertised speakers and/or topics.

Authorised Signature* : _____ Date : _____

Name : _____ Designation : _____
* Head of Department / Approving Manager

Company Stamp

MODE OF PAYMENT

A. Cheque or Bank Draft

Cheque No. / Bank Draft No. : _____ Bank/ Branch : _____

All crossed cheque / bank draft should be made payable to Account Name : UTMSPACE
Account Number : 8601518228 | Bank Name : CIMB Islamic Bank Berhad | Branch : UTM Skudai, Johor

B. Telegraphic Transfer / Local Order

Transaction Date : _____ Reference Number : _____

| Terms & Conditions Apply |

FOR FURTHER INFORMATION, PLEASE CONTACT:

Centre for Professional Development, School of Professional and Continuing Education (UTMSPACE), Universiti Teknologi Malaysia,
No. 34 - 50, Jalan Kebudayaan 1, Taman Universiti, 81300 Skudai, Johor
Tel : (607) 531 8044/ 019-770 0446 | Fax : (607) 520 5725 | Website : www.utmspace.edu.my
E-mail : nurulain@utmspace.edu.my Contact Person : MS. NURUL AIN



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

School of
Professional and
Continuing
Education
(SPACE)

SHORT COURSE IN HIGH FREQUENCY RADIO COMMUNICATION



3 DAYS

UTM Johor Bahru



SYNOPSIS

Before the first communications satellites were launched in the 1960s, high-frequency (HF) radio was the principal means to communicate beyond the horizon. Satellite links proved to be more reliable and over time HF was relegated to backup and disaster-recovery roles, with the military as the primary user. With the introduction of adaptive radio technology, there is a resurgence in HF radio making it reliable and low cost alternative to satellite. Today, HF radio is used by the military, amateur radio, aircraft, utilities, the oil and gas industry, short wave broadcast stations and the government agencies. The course will explain the various components that make up satellite communication system covering the propagation of signals, antennas, transmitters, receivers and signal processing. Besides in-class lectures at UTMSPACE facilities, participants will also be exposed to lab work, case study with presentation and site visits. Lecturers who conducted this program have the necessary experience to deliver the material relating theory with practice.

UTMSPACE ESTD 1982

IN-HOUSE Courses can be designed in accordance with organizational requirements.



Centre for Professional Development,
UTMSPACE Johor Bahru



07-5318044/ 019-7700446 (MS Nurul Ain)



07-5205725

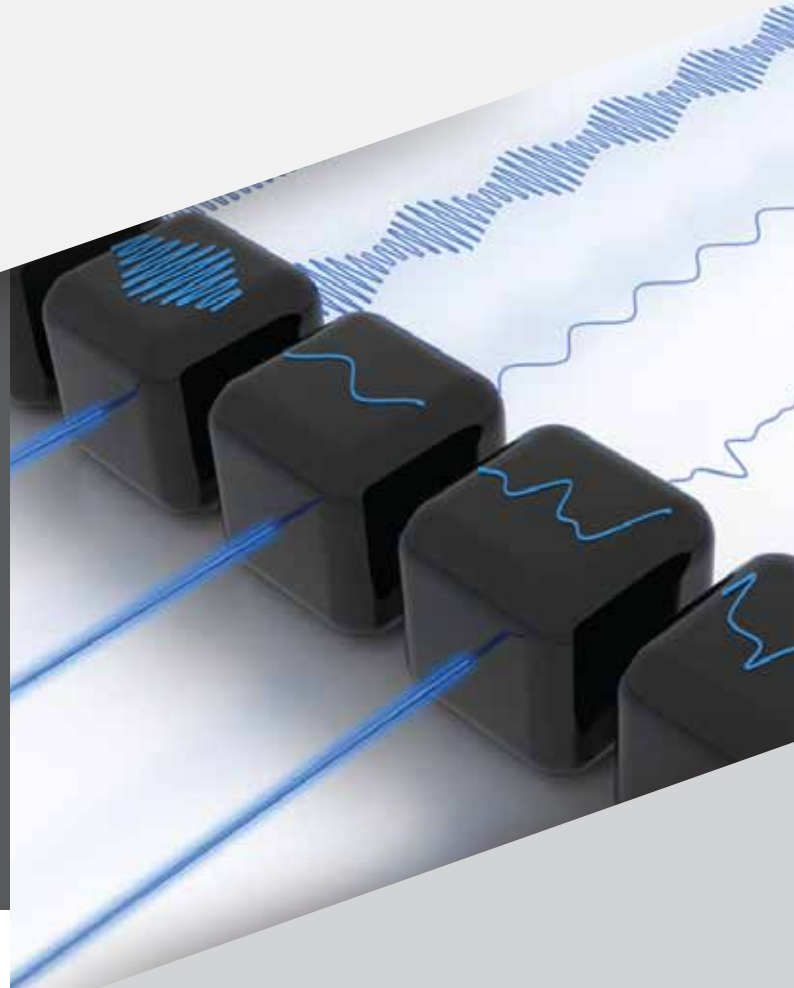


nurulain@utmspace.edu.my



REGISTERED
TRAINING PROVIDER

HRDF Claimable



COURSE CONTENTS

- Radio propagation: ground wave and sky wave.
- Frequency prediction and planning
- Radio systems structure.
- Antenna types
- Radio system setup and verifications.
- Analog voice communications.
- Data communications: modulation and channel coding.
- Data formats for commercial and military applications
- Adaptive link establishment (ALE) and selective call (SELCAL)
- Spread spectrum communications



FACILITATOR



ASSOC. PROF. DR AHMAD ZURI BIN SHA'AMERI obtained his B. Sc. in

Electrical Engineering from the University of Missouri-Columbia, USA in 1984, and M. Eng. Electrical Engineering and Ph D both from UTM in 1991 and 2000 respectively. He was the Head of the Microelectronic and Computer

Engineering (MICE) Dept and currently the Academic Coordinator for the DSP Lab, Faculty of Electrical Engineering, UTM. His research interest includes signal theory, signal processing for radar and communications, signal analysis and classification and information security. The subjects taught at both undergraduate and postgraduate levels includes digital signal processing, advance digital signal processing, and advance digital communications. He has also conducted short courses for both government and private sectors. At present, he has published 160 papers in his areas of interest at both national and international levels in conferences and journals.