



Introduction to Optical Communication Systems

Training Programme
by
Faculty of Engineering
Multimedia University

Overview

This course provides a fundamental review of the optical communication systems including optical components and their limitations, performance analysis and design of optical communication systems.

Objective

Upon completion of this course, participants will be equipped with the fundamentals of optical communication systems.

Upon completion, participants will acquire the ability to:

- Design an optical communication system
- Perform power budget analysis for optical communication system

Target Audience

UG student, PG student, researcher, technician, engineer and those who are working in the field of optical communication systems.

Prerequisite

None.

Training Methodology

Virtual Training.

Course Duration

2 days.

Content/Outline

- Introduction to optical communication systems
- Optical fibers
- Optical transmitters
- Optical receivers
- Optical amplifiers
- Power budget analysis
- Wavelength division multiplexing

Course Instructors

Katrina D. Dambul, PhD

Dr. Katrina obtained a BEng (Hons) Electronics majoring in Telecommunications and MEngSc from Multimedia University, Malaysia, in 2002 and 2007 respectively. She received her PhD in Photonics in 2018 from University of Malaya, Malaysia. She is currently a lecturer at the Faculty of Engineering, Multimedia University in Malaysia. Her research interests are in the field of photonics, including optical communications and specialty optical fibers.

Siti Azlida Ibrahim @ Ghazali, PhD

Dr. Siti Azlida obtained a BEng (Hons) Electronics majoring in Telecommunications and MEngSc from Multimedia University, Cyberjaya, Malaysia in 2002 and 2010 respectively. She received her PhD in Sensor Technology in 2017 from University Putra Malaysia. She is currently a senior lecturer at the Faculty of Engineering, Multimedia University in Malaysia. She has active research work in the area of optical fiber sensors, optical chemical sensors, gas sensors, and micro/nano materials based sensors.

Administrative Details

Programme Logistics

Duration: 2 days

Date:

Please refer to the updated dates at <https://www.mmu.edu.my/foe/short-courses/>

Registration deadline:

Please refer to the updated dates at <https://www.mmu.edu.my/foe/short-courses/>

Your Investment

Condition		Price per Pax
Regular Fee	Students / MMU Alumni	RM400
	Public	RM600
	Public (Group >5 pax)	RM500
Early Bird Fee	Students / MMU Alumni	RM250
	Public	RM500
	Public (Group >5 pax)	N/A

Method of Payment

Please make payment via bank transfer only. Account details is as below:

Account name: Unitele Multimedia Sdn Bhd

Account number: 86-0090180-2

Bank: CIMB Islamic Bank Berhad

Payment must be made by the registration deadline.

Refund and Cancellation

Any refunds will be processed in 60 days. Should there be any cancellation, it may be due to the organizer not getting the minimum participants or the participant failing to attend the workshop due to unavoidable reason.

Disclaimer

Faculty of Engineering, Multimedia University reserves the right to change the instructors, date and to vary/cancel the programme should unavoidable circumstances arise. All effort will be taken to inform participants of the changes. Upon submission of the registration form, you are deemed to have read and accepted the terms.

Enquiries

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Dr. Katrina D. Dambul: katrina@mmu.edu.my

Registration Form

To register, please visit this link: <https://forms.gle/rvzafTSc2QZZa1sK9>