



INTRODUCTION

This workshop welcomes all related industries and researchers in Malaysia to join and learn about the microstructure analysis skills. This workshop also will provide additional knowledge on Sample Preparation Analysis from our expert and high end equipment. .

This two-days workshop is constructed to address all aspects of sample preparation for microstructure analysis. The idea is to develop a technical understanding of what happens when sample is mounted, ground, polished and then observed under electron/optical microscope. Besides that, participants will also be exposed on principle of the microstructural analysis such as optical microscope, image processing analysis, scanning electron microscopy (SEM) and Energy Dispersive Spectroscopy (EDS). In order to satisfy the elements of the competence tasks, the participants will prepare their own specific materials. Participants will also have the opportunity to gain hands-on experience with the equipment for samples preparation, microscopy and sample analysis.

WHO SHOULD ATTEND?

- ☒ Researchers, engineers, technicians and laboratory assistants who works and study on microstructure, elementals and materials characteristic.
- ☒ Those who are interested to develop knowledge in microstructure analysis.

REGISTRATION FEE

Category	Early Bird	Normal / On Site
Industry	RM900.00	RM1200.00
Academic Staff	RM500.00	RM800.00
Student	RM350.00	RM650.00

Email:

bizunit@mail.fkm.utm.my

Web :

<https://sites.google.com/site/workshopcsm2016/>

TENTATIVE PROGRAMME

6th September 2016 (Tuesday)

- 8.30 am : Registration
- 8.45 am : Opening Remarks
- 9.00 am : **Talk1:(Invited Speaker) Prof.Dr. Esah Hamzah**
Material Characterization & Analysis
- 9.30 am : Tea Break & Photo Session
- 10.00 am : **Talk 2: Mr. Henry Heng** (Reveal Technology Enterprise) - **Sample Preparation**
- 11.00 am : **Talk 3: Miss Ooi Mei Hong** (Hi – Tech Instruments Sdn.Bhd) - **SEM & EDX**
- 12.30 pm : Lunch & Dzuhor prayer
- 2.00 pm : **Workshop 1** - Sample Preparation
Workshop 2 – Optical Microscopy
Workshop 3 - SEM / EDS / Application
- 5.00 pm : Refreshment / End

7th September 2016 (Wednesday)

- 8.30 am : **Talk 4 : Dr. Wang Rui** (EBSD)
- 10.00 am : Tea Break
- 10:15 am : **Talk 5 : Dr. Tan Poh Lai**
Image Analysis + Workshop 4
- 12.30 pm : Lunch & Dzuhor prayer
- 2.00 pm : **Practical–Sample Preparation by participants**
(Optical Microscope (OM) / Scanning Electron Microscope (SEM) / Energy Dispersive X-Ray Spectrometer (EDS))
- 4.45 pm : **Closing Remark -**
Prof. Dr. Noordin Bin Mohd Yusof -
DEAN of Faculty of Mechanical Engineering
- 5.00 pm : Refreshment / End

Contact us:

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