

REGISTRATION FORM

Name:

Occupation :
.....

Name of Supervisor :
.....

(for student only)

Organisation/Institution:

Address:
.....
.....

Postcode : State:

Telephone No. (P) : HP :

Email Address :
.....

Payment by :

Cheque No :

Cash :

Research No : (for student only)

- Participant from UPM : RM 900
- Participant from Gov. : RM 1166 (Including GST) Organization
- Participant from Non-Gov. : RM 1272 (Including GST) Organization

This workshop is limited to 20 participants only

CONTACT INFORMATION

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ORGANIZING COMMITTEE

Advisor : Prof. Dr. Abdul Rahman Omar

Chairperson : Mr. Rafiuz Zaman Haroun

Secretary : Mrs. Anidazura Zulkiffli

Committee Members :

Mr. Rafiuz Zaman Haroun

Mrs. Irmazian Abd Shukor

Mr. Azmi Mohd Amban

Mrs. Noor Hazwani Abdul Rahim

Mrs. Farrah Deba Jamiauddin

Mrs. Faridah Akmal Ismail

Cik Siti Aisyah Mohd Suboh

RESOURCE PERSONS

Mrs. Anna Liew Hwi Fen

Application Specialist
JEOL ASIA PTE LTD

Dr. Tetsuo Oikawa

Application Specialist
JEOL ASIA PTE LTD

Dr. Wu Jiang

Application Specialist
Oxford Instruments



WORKSHOP ON APPLICATION OF HRTEM AND FESEM IN MATERIAL SCIENCE RESEARCH

24 July - 26 July 2018

8.00 am - 5.00 pm

Microscopy Unit

Institute of Bioscience

University Putra Malaysia

In Collaboration with



* High Resolution Transmission Electron Microscope (HRTEM)

- ◇ TEM Imaging
- ◇ Diffraction .
- ◇ Nanobeam Diffraction .
- ◇ Convergent Beam Diffraction .
- ◇ Energy Dispersive X-Ray Micro analyzer (EDX)

* Field Emission Scanning Electron Microscope (FESEM)

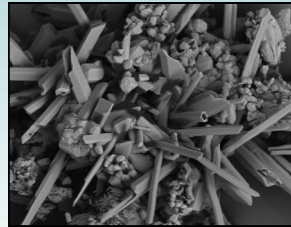
- ◇ Energy Dispersive X-Ray Micro analyzer (EDX)
- ◇ SEM Imaging for Surface Morphology

* Sample Preparation - Ion Slicer

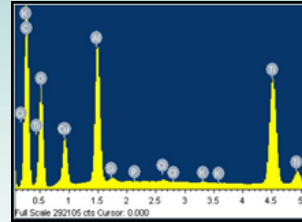
* Sample Preparation - Cross Section Polisher

IMAGES

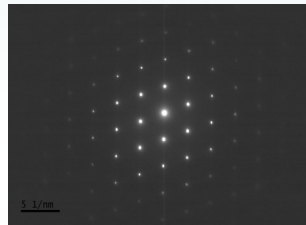
Surface Morphology (SEM)



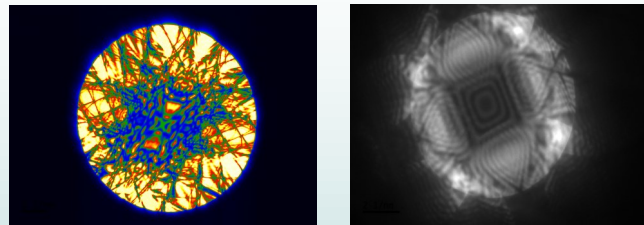
Energy Dispersive X-Ray



Diffraction Pattern



Convergent Beam Diffraction



EQUIPMENTS

Cross Section Polisher



Iron Slicer



High Resolution TEM



FESEM



FURTHER INFORMATION

**The Secretariat
WORKSHOP ON APPLICATION OF HRTEM AND
FESEM IN MATERIAL SCIENCE RESEARCH**

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