A TEM Short Course from the AIM Lab, NanoCenter, University of Maryland

AN INTRODUCTION TO TEM FOR THE NEW TEM OPERATOR

A Transmission Electron Microscopy (TEM) short course will be offered this summer break (June 2018) through the AIM Lab at the NanoCenter, University of Maryland. This is a hands-on course aimed at introducing the basic concepts, instrumentations and application of TEM to new operators. The lecture portion of the course will focus on fundamental theory in TEM; laboratory exercises are designed to provide instruction on both the operation of TEM and useful techniques for materials characterization using TEM. This course is also recommended as a refresher course to individuals with prior knowledge and operating familiarity with the TEM.

**TEM Class:**
- **Date:** Four days, June 19, 20, 21 and 22, 2018
- **Lecture:** 09:30 - 11:40am. (Theory)
- **Laboratory:** June 19, 20, 21 and 22, 2018
  - Two hours/group/day (TEM operation, 2 ~ 3 students/group)
- **Rooms:**
  - Lecture: TBA;
  - Lab: TEM facility, Kim Building room 1237B
- **Fee:**
  - Lecture and Lab Course: $400 per person*, $350 per person for members of research groups with multiple enrollments, or for individuals concurrently enrolled in the SEM short course.
  - Lecture only: $200 per person.
- **Limit:** Maximum enrollment is 9 (three groups, 2-3 students per group)

To encourage all potential users to register for the short course, a discount will be offered to individuals if they are affiliated with a research group where other members are also enrolled in the course or if s/he is attending both TEM and SEM and/or FIB short courses (see SEM and FIB short course announcement). * This fee applies to UMD users only. Different fees apply for non-UMD participants; please check with the AIM Lab office.

To enroll, please fill out the attached application form and submit to W-A Chiou or S-C. Liou by 5:00 pm, Wednesday (06/13/18). Students accepted into the class will be informed by e-mail by Friday (06/15/18).

Please call W-A Chiou at 5-0541 or send an e-mail to wachiou@umd.edu for more information.

**Enclosure:** Application Form
Application Form for Summer (2018) TEM Short Course

Name: ___________________________________________________________
    Last,   First   Middle Initial

Department: _______________________________________________________

Telephone No.: ____________________________________________________

E Mail Address: ____________________________________________________

Advisor: __________________________________________________________

Payment: Check or KRS Account No.: __________________________________

Course to be attended: __ TEM Short Course _____________________________

Research Topic: _____________________________________________________

_____________________________________________________________________

Is there any other attendee from your research group? ___________, and his/her

Name: ______________________________________________________________

Will you also attend SEM/FIB short course? ________________________________

Signed: _____________________________ (Student)     Date: _________________

Signed: _____________________________ (Advisor)      Date: _________________