

# **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: \_\_\_\_\_