

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

**AN INTRODUCTION TO FOCUS ION BEAM (FIB)  
FOR THE NEW FIB OPERATOR**

Focus Ion Beam (FIB) is an extremely useful and powerful tool in physical/materials science, engineering, biological and medical sciences research. The AIM Lab at NanoCenter will be offering a short course in FIB right after this winter break (January 2019) using our Tescan dual beam FIB/SEM system. The short course provides an introduction to the FIB for those with little or no prior experience. This course covers basic principles and knowledge of operating the FIB. In addition to lectures, there will be an emphasis on laboratory exercises that focus on instrument operation and practical applications.

- Date:** January 28, 29, 30 and 31, 2019  
**Lecture:** 9:30 to 11:30 am.  
Room: 1207 (Large Conference Room) in IREAP, ERF Build.  
**Laboratory:** Two hours/group/day (4 days, January 28, 29, 30 and 31, 2019)  
Lab: FIB facility, Room 1237E, Kim Building  
**Limit:** Maximum enrollment is 9 (3 lab groups, 3 persons per group)  
**Fee:** \$450 per person, \$400 per person from the same research group. Fees for non-UMD participants will be different. Please check with the AIM Lab office.  
**Prerequisite:** Must have SEM experience or permission from instructor.

To enroll, please print and fill out the attached application form, and submit to the AIM Lab office by 12:00 pm, January 23, 2019 (Wednesday) at room 1234 Kim Building. Students accepted into the class will be informed by e-mail by Saturday (01/26/19).

For more information regarding the FIB short course, please contact Wen-An Chiou at AIM Lab, or (301)-405-0541 or send an e-mail to [wachiou@umd.edu](mailto:wachiou@umd.edu).

Attachment: FIB Short Course Application Form

