

**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 in February 2023 using Tescan dual beam FIB/SEM system. The short course introduces 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:** February 7, 8, 9 and 10, 2023
Lecture: 9:30 to 11:30 am.
Room: 1207 (Large Conference Room) in IREAP, ERF Build., or TBA.
Laboratory: Two hours/group/day (4 days, February 7, 8, 9 and 10, 2023)
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 30, 2023 (Monday) at room 1234 or 1237E, Kim Building. Students accepted into the class will be informed by e-mail by Friday (02/03/23).

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

Please note that all class participants must be fully vaccinated before attending the class. During the class/laboratory, the 4 Maryland protocols (mainly wear a properly fitted mask, keep your distance from others when required, and stay home if you are sick) will continue to follow.

Attachment: FIB Short Course Application Form

