

**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 this summer break (July 2022) 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:** July 12, 13, 14 and 15, 2022
Lecture: 9:30 to 11:30 am.
Room: 1207 (Large Conference Room) in IREAP, ERF Building
Laboratory: Two hours/group/day (4 days, July 12, 13, 14 and 15, 2022)
Lab: FIB facility, Room 1237E, Kim Building
Limit: Maximum enrollment is 9 (3 lab groups, 2/3 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 the instructor.

To enroll, please print and fill out the attached application form, and submit to the AIM Lab office by 5:00 pm, July 5, 2022 (Tuesday) at room 1234 Kim Building. Students accepted into the class will be informed by e-mail by Saturday (07/09/22).

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.

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 when required, keep your distance from others, and stay home if you are sick) will be followed.

Attachment: FIB Short Course Application Form

