SEMICONDUCTOR MANUFACTURING AND ADVANCES IN RECENT TECHNOLOGIES (SMART 2025)

ABOUT THE PROGRAM

UCF is excited to host the upcoming SMART 2025 workshop, a two-week event focused on semiconductor manufacturing. This second installment of the SMART Workshop series will provide valuable insights into manufacturing processes, challenges, and essential concepts. Participants will engage with industry experts and gain hands-on experience with advanced equipment in the UCF Cleanrooms.

MODALITY

The workshop will be held from Monday, June 16 to Friday, June 27. At the end of the training, each qualified participant will be presented with a UCF SMART Workshop certificate and their individually fabricated silicon Schottky diode. The workshop consists of lecture, interactive and laboratory sessions.

Build your own Schottky diode

TARGET APPLICANTS

Attendance is open to the general technical community and is not limited to current UCF students. The course suits new as well as experienced researchers interested in microfabrication techniques and applications. Preference will be given to interested faculty from high schools and colleges.

Website: www.ece.ucf.edu/smart/

FOR MORE INFORMATION, CONTACT

SMART-WORKSHOP@UCF.EDU

WORKSHOP DETAILS

📅 June 16 - 27, 2025
9 a.m. - 4 p.m.

📍 UCF Main Campus

👥 Limited to 12 participants

⭐ Particpants will receive a $1200 stipend and build their own devices

REGISTER BY APRIL 11:

Sponsored by:

(intel)

2024 SMART WORKSHOP PARTICIPANTS

SEMICONDUCTOR MANUFACTURING AND ADVANCES IN RECENT TECHNOLOGIES

WORKSHOP INSTRUCTORS

UCF Department of Electrical and Computer Engineering

Reza Abdolvand, Ph.D.

Avra Kundu, Ph.D.

UCF Department of Materials Science and Engineering

Tengfei Jiang, Ph.D.

Parag Banerjee, Ph.D.

UCF Department of Physics

Jing Xu, Ph.D.

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UNIVERSITY OF CENTRAL FLORIDA

TESTIMONIALS

"I always knew I wanted to build these devices, but I wanted to see how much further I can go now. It's cool to put the pieces together, but to build it from almost the ground up is very nice."
- David Merveilleux Jr., Computer Engineering Undergraduate Student, SMART 2024 Participant

"I realized, okay, this is it, this is what I want to do. So I want to apply the knowledge and experience I have learned in the cleanroom to the industry.
-Labiba Ibrahim, Electrical Engineering Undergraduate Student, Intel Scholar and SMART 2024 Student Instructor

"...although this is a very complex subject, when you put it all together step-wise, I think it can be very approachable."
- Will Goodman, Valencia College, SMART 2024 Participant

"Hosting a workshop was really a testament to how much I've learned as an Intel Scholar. I was able to use my knowledge to introduce new topics to the participants."
-Gugulethu Sigogo, Electrical Engineering Undergraduate Student, Intel Scholar and SMART 2024 Student Instructor

"The world of semiconductor manufacturing is very daunting on the outside... you kind of just have to keep asking questions, keep going for it, and eventually you'll catch on to how everything works."
-**Namisha Jagmohan BS'24** and SMART 2024 Student Instructor.