

IEEE Microwave Theory and Techniques Chapter

Thursday, January 22nd, 2015

Topic:

The University of Iowa Microfabrication Facility
Converging Science and Technology at the Nanoscale
OPTICAL SCIENCE AND TECHNOLOGY CENTER
(Includes tours of MBE Lab and Laser Lab)



Nanofabrication is the meeting ground of engineering, biology, physics, medicine and chemistry. Most of these disciplines converge at the nanoscale towards the same building blocks, principles, tools of investigation and fabrication.

The University of Iowa Microfabrication Facility (UIMF) is an open-research facility serving the academic, industrial and governmental researchers across campus and beyond.

Hands-on demos in the UIMF labs, including tours of the Molecular Beam Epitaxy (MBE) and Laser Labs. Visitors will wear cleanroom suits to visit the UIMF and MBE labs. Hands-on demonstrations on various tools, including, Thin-film deposition, Reactive Ion Etching, Lithography and Nanoimprint.

Speaker: Aju Jugessur received a Ph.D. degree in Optoelectronics, Electronic engineering, with a focus on Nanofabrication, from the University of Glasgow, Scotland, United Kingdom, followed by a postdoctoral fellowship at McGill University, Canada. He is currently the Director of the University of Iowa Microfabrication Facility and Adjunct Professor in the Department of Physics and Astronomy.

Where: **Lecture:** Indiana Room, Iowa Memorial Union (IMU),
125 North Madison St, Iowa City, Iowa 52242
Demos: Iowa Advance Technology Labs (IATL) 174, 205,
North Madison St

Parking: IMU Parking Ramp located across Madison Street to the east.
See Website for directions & Car Pooling.

When: **6:00pm, Presentation:** Indiana Room, IMU
6:40pm Social/Networking/Food/coffee: IATL Lobby
7:00-8:30 pm Hands-on Demo and lab tours: ~30mins (each tour) IATL 174

Registration: Please register at <http://www.ieee-cr-section.org/>
Click on meeting hyperlink in upper right corner of page.

Price: No charge for the presentation and the tour. Guests are welcome!

