OSTC Microfabrication Facility
OPEN HOUSE

Tuesday, September 24, 2013
2:30 p.m. - 4:00 p.m.
Microfabrication Facility, 174 IATL

Please Note:
UIMF User Meeting
1:30 - 2:15 p.m.
IATL Conference Room (IATL 104)

The OSTC Microfabrication Facility Open House will showcase, celebrate, and promote the interdisciplinary central research facility and service center that provides access, hands-on training on state-of-the-art equipment and education opportunities in the areas of micro and nanofabrication, metrology and device characterization. It is an open-research facility serving the academic, industrial and governmental researchers across campus and beyond. Key research areas enabled by this facility include optics, nanotechnology, sensors, micro- and nano-electronics, plasmonics, photovoltaics, spintronics, high-resolution spectroscopy, bio-medical.

The UIMF facility consists of multiple adjacent labs where each lab is dedicated to specific process group. The most recent lab is an ISO 5 (Class 100) cleanroom (IATL 174) that houses state-of-the-art tools on photo-lithography, thin-film deposition, reactive ion etching and wet-bench for sample processing. The IATL 170 is dedicated for the post-processing of sample that also includes wet-etch benches, plasma cleaner, mechanical polisher and vacuum ovens. It also include a metrology section where a 3D Optical profiler, Ellipsometer and various optical microscopes are located. Plans to reconfigure IATL 172 is underway where an ISO 5 cleanroom will house a Direct-write Electron Beam Nanolithography system which is capable of defining patterns at the nano-scale. The expansion of the UIMF delivers a total lab space approximately 3,000 sqft. The UIMF facility, one-of-its-kind in Iowa stands to offer unique and unparalleled capabilities for micro- and nano-scale device fabrication for a wide range of scientific and technological applications, spanning areas from electronics, optics, bio-medical to energy harvesting technologies.

For more information go to UI OSTC Microfabrication website: www.ostc.uiowa.edu/uimf

Individuals with disabilities are encouraged to attend all University of Iowa sponsored events. If you are a person with a disability who requires an accommodation in order to attend this program, please contact the Optical Science & Technology Center in advance at 353-0974 or email OSTC@uiowa.edu.

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