

# Nano-Manufacturing & Nano-Imaging

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In this talk, I will introduce an opto-thermomechanical (OTM) nanoprinting method that allows us not only to additively print nanostructures with sub-100 nm accuracy but also to correct printing errors for nanorepairing under ambient conditions. In addition, I will introduce an acoustofluidic scanning nanoscope that can simultaneously achieve high resolution with a large field of view. Optical imaging with nanoscale resolution and a large field of view is challenging to achieve using a conventional microscope. An objective lens with a low numerical aperture (NA) has a large field of view but poor resolution. In contrast, a high NA objective lens will have a higher resolution but reduced field of view. The acoustofluidic scanning nanoscope is developed in an effort to close the gap between these trade-offs, which can achieve subdiffraction-limit resolution and a large field of view simultaneously.

Students, meet the speaker after the seminar in a student/postdoc session from 4:45-5:15 pm

Date: Fri, Nov. 5, 2021

Time: 3:30-4:30 pm

Location: Virtual Seminar (Zoom)