



NNCI 2019 Etch Symposium, December 5-6, Harvard University

Novel Nanoscale Etching of Electronic, Photonic, 2D & Quantum Based Materials

Dear NNCI and non-NNCI members:

The 2019 NNCI Etch Symposium is quickly approaching and we want to update everyone with information on the program, registration, accommodations, etc. As per past etch symposia, day 1 (December, 5) will be limited to staff from NNCI member sites and non-member NNCI academic sites, and will be held in LISE 303, 11 Oxford St., on the Harvard campus. This internal meeting will consist of site updates, where existing and new etch capabilities and processes can be highlighted. We are asking each attending NNCI site to give a 15-minute presentation concerning their capabilities, future additions, etc. We also welcome non-NNCI sites to give insight as to their etch capabilities. Also, on day 1 we will feature any contributed technical talks from academic staff members on a specific etch topic that they would like to share with the group. A very important aspect of day 1 is the open forum discussion where attendees can collectively discuss any etch equipment or process issues they may be experiencing. There will also be a vendor exhibit throughout the day where manufacturers can feature their latest offerings in etch related equipment and can talk one-on-one with attendees. Vendors contributing to the event include: Lam Research, Oxford Instruments, Allwin 21 Corp., Samco, SPTS, Nanomaster, Hyperlight, and Plasma-Therm. Day 1 attendees will also be invited to a dinner reception along with tours of the Harvard CNS lab.

The formal public symposium on December 6 in Lecture Hall 100 of the Harvard Geology Museum will feature invited talks by experts in nano and quantum technology from industry and academia. Our agenda includes speakers from MIT, Harvard, MIT-Lincoln Labs, Cornell, Oxford Instruments, Hyperlight, Plasma-Therm, SPTS, and Samco. Topics will include many aspects of nanoscale etching applied to electronics, photonics, MEMS, and quantum computing. A vendor exhibitor area will also be available during the day so that attendees can interface with manufacturing representatives. There will also be tables where NNCI sites can display information concerning their respective nanofabrication capabilities.

We are asking everyone planning to attend to please register so that we can plan accordingly. Please use the following link to register: <https://cns1.rc.fas.harvard.edu/nnci-2019-etch-symposium/>

We especially invite all those planning to attend the MRS symposium in Boston the week of December 2 to come to Harvard for this event. Given the limited number of hotels in Cambridge, those attending MRS may want to extend their stay at a Boston hotel and take the subway or Uber/Lyft to Harvard. The list of available hotels in the Cambridge area and other information can be found on the symposium website: . <https://projects.iq.harvard.edu/nnci> We look forward to your attendance and participation in this important NNCI event. Feel free to contact any member of the organizing committee with any questions. Vince Genova: Genova@cnf.cornell.edu, Ling Xie: lxie@cns.fas.harvard.edu, Usha Raghuram: usha@stanford.edu, Sarmita Majumder: sarmita@utexas.edu

