

THE CENTER FOR NANOSCALE SYSTEMS (CNS) AT HARVARD UNIVERSITY: THE NEW ENGLAND HUB OF THE NATIONAL NANOTECHNOLOGY COORDINATED INFRASTRUCTURE NNCI.

The Center for Nanoscale Systems serves a broad mission providing a collaborative multi-disciplinary research environment to support the creation and evolution of world-class nanoscience and nanoscale engineering. This “*open*” shared facility offers technical expertise, device processing support, and advanced instrumentation and characterization support; providing a complete ecosystem for nanotechnology. All efforts support both the Harvard research community and external researchers from academia and industry. CNS strives to be at the leading edge of nanoscience and quantum science, providing *world-class tools for world-class research*. For nanofabrication, the node focus is multi-length scale materials processing, with an eye on novel material systems and processing strategies. For characterization, we focus on high performance nanoscale imaging paradigms including Atomic resolution TEM/STEM, atom-probe tomography, and scanning probe microscopy and spectroscopies. The lab serves a large broad, diverse, national set of users endeavoring to meet the nation’s technology future.