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The Center for Nanophase Materials Sciences (CNMS) is the newest user facility at Oak Ridge National Laboratory. CNMS is co-located with the Spallation Neutron Source and has ties to the National Leadership Computing Facility, and the microscopy facilities in the Shared Research Equipment User Program and High Temperature Materials Laboratory. CNMS has a new 80,000-ft² building with a 10,000-ft² nanofabrication clean room facility. The CNMS houses both off-the-shelf instrumentation and state-of-the-art, unique (or nearly so) tools, including electron microscopes, scanning probes, synthesis instrumentation, and a wide range of characterization tools, such as x-ray diffraction and a tunable micro-Raman system.

The CNMS supports research on macromolecular materials, catalysts, functional nanomaterials, and nanomagnetism and quantum transport. Use of the CNMS facilities and collaborative support from CNMS staff are free-of-charge for users doing non-proprietary research with intent to publish. User research proposals are brief and focused, with a research description limited to 2 pages. Selection of proposals is based on their scientific and technical merit as evaluated by an external Proposal Review Committee. To learn more, visit <http://www.cnms.ornl.gov/>. The CNMS is sponsored by the Dept. of Energy's Office of Basic Energy Sciences.