

Materials Day

Abstract

Update on the Nanofabrication facility at the Materials Research Institute

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Abstract: The Materials Research Institute's Nanofabrication Lab provides researchers with quick access to cutting-edge nanoscale fabrication and measurement tools, as well as technical expertise and methods. The lab is fully equipped to process and characterize a diverse range of nanoscale materials, structures, and devices. By operating in a shared environment with students, postdocs, and faculty, the Nanofabrication Lab also encourages collaboration in nanotechnology research within PSU and with academic and industrial researchers worldwide. The poster being presented showcases recent breakthroughs in nanofabrication and devices, including quantum packaging, scalable fabrication of metasurfaces, heterogeneous integration, and nanoscale devices for biological applications.