



PCCM's Shared Facility – Imaging and Analysis Center

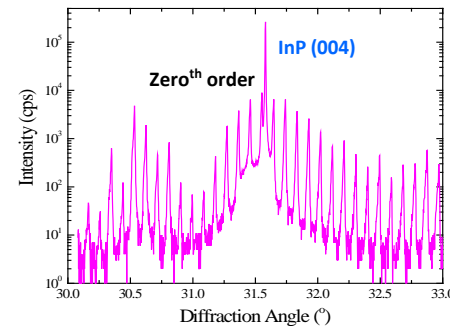
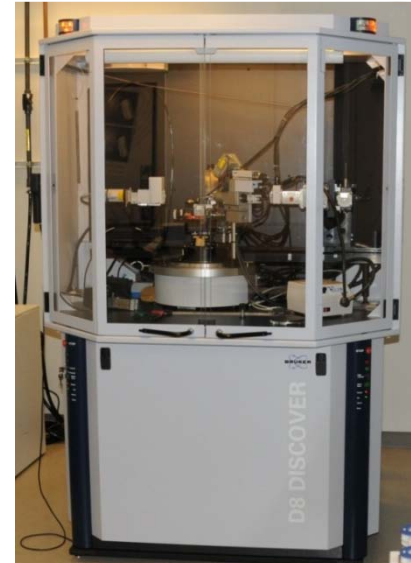
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Princeton University DMR-0819860

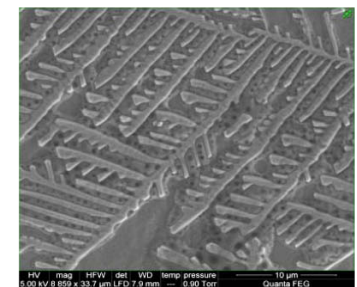


The Imaging and Analysis Center (IAC) is an integral part of the Princeton Center for Complex Materials (PCCM), an NSF-supported materials research center. In addition to serving researchers throughout New Jersey and the mid-Atlantic states, IAC provides training for undergraduates and graduate students on the use of advanced analytical instruments. In 2008, IAC's training courses enrolled 260 students (a class from 2009 is shown above). The regular users of IAC's facilities (200 in 2008-2009) include participants from 9 institutions and 21 local companies. With an NSF-MRI grant, IAC recently acquired a new FEI Quanta 200F environmental scanning electron microscope (photo, far right). IAC also acquired a high-resolution small-angle Bruker D8 Discover x-ray diffractometer (middle photo) with funds from Princeton University.

<http://www.princeton.edu/~pccm/>



High-resolution XRD spectrum of a quantum cascade (QC) laser structure consisting of 30 stages of InGaAs/InAlAs superlattice. IRG-D, C.F. Gmachl, *et al.*



Environmental-SEM image of microglobular structures of pellicles on enamel surface. J. Gronlund, Colgate-Palmolive Company