

Abstract for an Invited Paper  
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**Advanced X-ray Detector Development at NSLS**

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Several detector development projects are underway at Brookhaven National Laboratory's NSLS. These projects are close collaborations between NSLS and BNL's Instrumentation Division, and address various synchrotron radiation techniques such as diffraction, spectroscopy and imaging. They are all based on custom microelectronics for high-density readout and custom sensors fabricated in-house at BNL. The talk will describe selected examples of these developments.