

# David Sprouster

Dr. Sprouster is an Assistant Research Professor in the Materials Science and Chemical Engineering Department at Stony Brook University. His research expertise lies in utilizing advanced synchrotron-radiation techniques to quantify neutron and ion beam modifications of structural and nanomaterials. He previously held an Assistant Material Scientist position at Brookhaven National Laboratory and was a Research Fellow at The Australian National University. He has developed synchrotron beamline infrastructure, novel sample



processing and analysis procedures, which have proved to be essential for the extraction of quantitative microstructural information. His current research efforts are focused towards the high-throughput, in situ and analysis of data collected on materials for advanced nuclear and fusion energy systems at the National Synchrotron Light Source-II (NSLS-II). He commonly engages with the wider nuclear materials community, aiding in the collection, analysis and interpretation of experimental data.