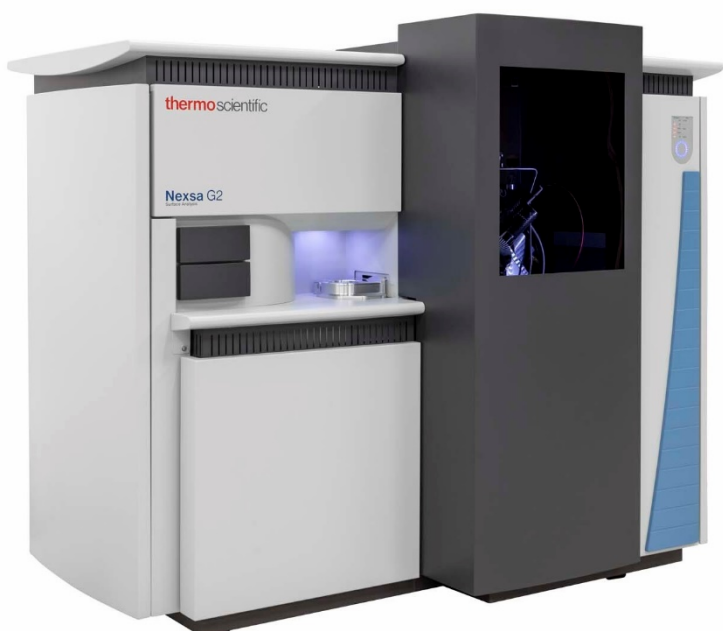


XPS Materials Characterization Seminar

ThermoFisher
SCIENTIFIC



LEHIGH
UNIVERSITY



Thermo Scientific Nexsa G2 XPS
Surface Analysis System

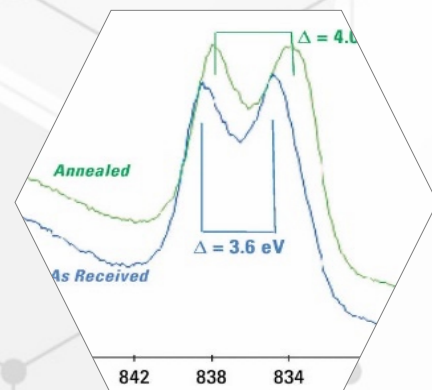
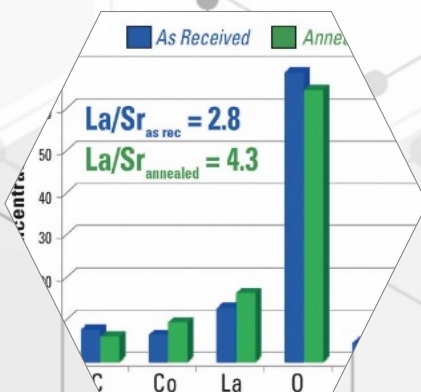
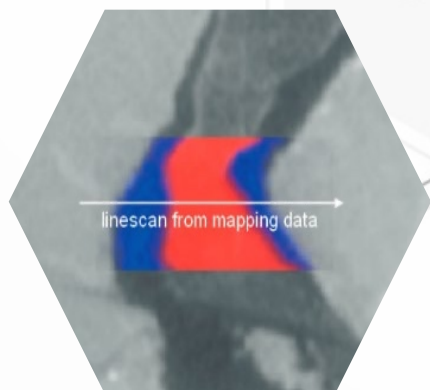
You're invited to attend a workshop on Tuesday, April 8, to learn about X-ray Photoelectron Spectroscopy and how this quantification and characterization tool can be used alone and in combination with other instrumentation for correlative multi-characterization workflows. The workshop will feature presentations and discussion with XPS experts.

Why you should attend:

- Expand your capabilities and understanding of materials analysis.
- Discuss with experts how current instrumentation & methods can work for you.
- Experience live presentations and facility tours.

Location: Lehigh University
124 E Morton St, Bethlehem, PA
Health Sci Tech (HST) L-185

Date: Tuesday, April 8, 2025
9:00 AM – 3:00 PM



Agenda

- 9:00 AM Coffee, Registration and check-in, Sign-up for facility tour
- 9:30 AM Opening welcome and facility overview, Ryan Thorpe
- 9:45 AM Plasma FIB Capabilities and applications overview, Donald Carpenter
- 10:00 AM Advances in XPS Capabilities, and Intro to Correlated Imaging for Surface Analysis
James Lallo, Surface Analysis Product Marketing Engineer, Thermo Fisher Scientific
There are many ways to analyze the composition of a material, however the best results are found by collecting information from multiple avenues. This talk will focus on the latest developments in multi-technique surface analysis, particularly on the Nexsa G2 X-ray Photoelectron Spectroscopy (XPS) system. This talk will also introduce our new CISA [Correlated Imaging for Surface Analysis] workflow combining the capabilities of XPS and Scanning Electron Microscopy with Energy Dispersive X-ray Spectroscopy (SEM/EDS). We will discuss the latest developments for these instruments, and how datasets from both techniques combine to give a more holistic understanding of a sample.
- 11:00 AM Coffee break
- 11:45 AM NAP-XPS at Lehigh, Ryan Thorpe
- 12:30 PM Lunch
- 1:30 PM Lightning Student Talks Session 1
- 3:00 PM Facility Tour