



Chemical Imaging and Analysis Workshop

August 6, 2024

Discovery Hall

Pacific Northwest National Lab. Richland. WA

Full day Chemical Imaging and Analysis Workshop will be held as part of the Surface Analysis 24 and PNWAVS Conference. The workshop will cover XPS, FIB/SEM, STEM, and APT, as well as laboratory tours. The workshop will provide specialized insights into the "air-free" transfer of samples between instruments. Join us to attend invited talks by speakers from industry, academia, and national lab. The workshop is Free for everyone.

To encourage student participation, the PNWAVS will subsidize the hotel accommodations of up to 30 students who have registered for the workshop and conference.

9:00 - 10:00 AM	CAMCOR Facility intro and AMAC program	<i>Kurt Langworthy</i>	University of Oregon
	Air free transfer	<i>Valerie Brogden</i>	
	TEM advancements with EMPAD	<i>Kayla Nguyen</i>	
10:00 - 10:15 AM	Break		
10:15 - 11:15 AM	Recent Developments in XPS		Thermo Fisher
11:15 - 12:15 PM	Cryo Sample Transfer and Analysis in Glove box/PFIB/APT	<i>Venkata Bhuvaneshwari Vukkum and Jack R Grimm</i>	PNNL
12:15 - 1:30 PM	Lunch is provided by Thermo Fisher		
1:30 - 2:15 PM	Sample Preparation and Analysis using FIB and TEM	<i>Semanti Mukhopadhyay</i>	PNNL
2:15 - 3:15 PM	Understanding the physical forces that govern line shapes and binding energies in core-level x-ray photoelectron spectra	<i>Scott A. Chambers</i>	PNNL
3:15 - 3:45 PM	Flash Talks by Students		
3:45 - 4:00 PM	Break		
4:00 - 5:00 PM	Lab Tour (XPS, APT, PFIB, TEM and MBE labs)		PNNL
5:00 - 7:00 PM	Reception		

Registration Deadline: July 31, 2024

REGISTER

Non-US Citizens please contact Heather Roney ASAP at heather.roney@pnnl.gov

