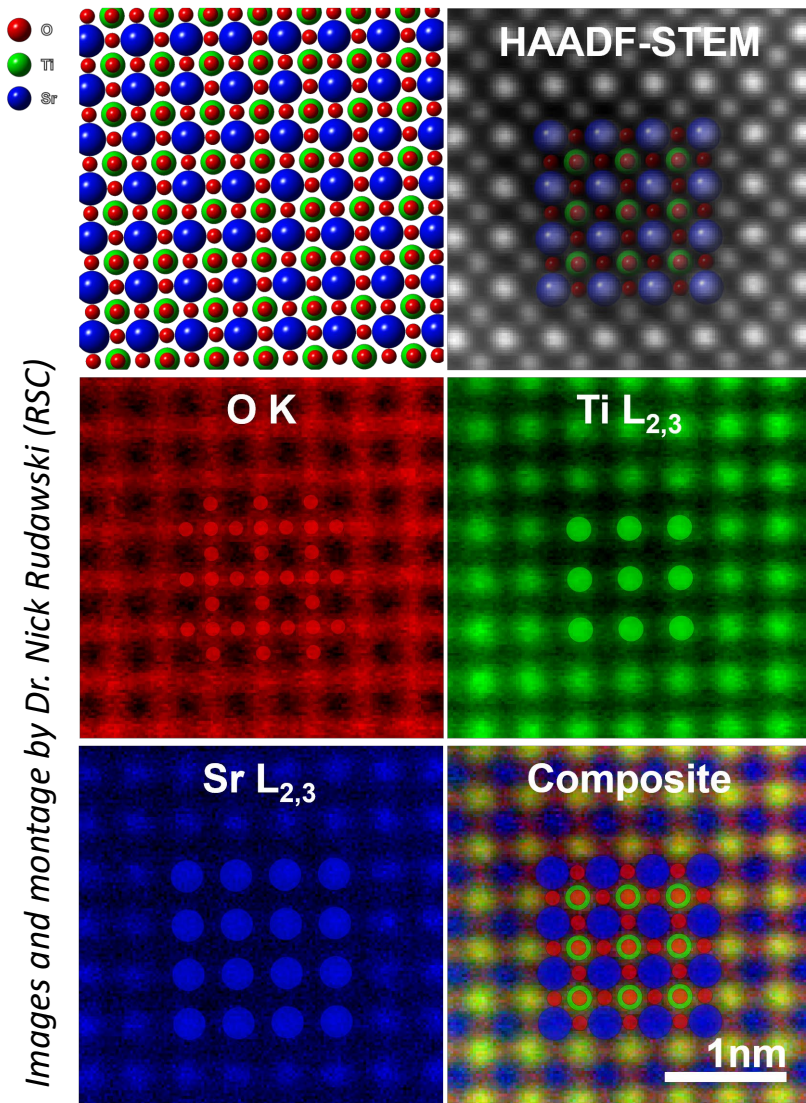


# Electron Energy Loss Spectroscopy (EELS)

The workshop will introduce the community to the Electron Energy Loss Spectroscopy (EELS) technique and how it can advance materials characterization and research. This workshop will specifically show how Gatan's Continuum Spectrometer enhances the cutting-edge capabilities of the TEM Themis-Z.

- Lectures will cover the fundamental concepts of EELS and different materials applications.
- Practical sessions will cover live data acquisition and analysis in Gatan's Digital Micrograph.



## WORKSHOP



September 26, 2023

[REGISTER HERE](#)

UF Campus  
Research Service Centers  
Herbert Wertheim  
College of Engineering  
1041 Center Dr.  
115 NRF

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352-846-2626

# EELS WORKSHOP

September 26th

<b>Time</b>		<b>Presenter</b>
8:00-8:30am	Arrival and Welcome	
8:30-8:45am	Introduction to the Research Service Center (RSC)	Dr. Amelia Dempere
8:45-9:00am	Introduction to Themis	Dr. Honggyu Kim / Dr. Nick Rudawski
9:00-10:00am	Introduction to EELS and EFTEM	Ray/Andrew
10:00-10:30 AM	Coffee Break	
10:30-12:00pm	Applications of EELS and 4D-STEM for Materials Problem Solving	Ray/Andrew
12:00-1:00pm	Lunch Break	
1:00-2:30pm	Practical Session: STEM Spectrum Imaging	Andrew
2:30-3:00pm	Software Session (1): EELS Analysis	Ray
3:00-3:30pm	Coffee Break	
3:30-4:30pm	Software Session (2): EFTEM SI	Andrew
4:30-5:00pm	EFTEM and 4D-STEM Analysis	Ray/Andrew
5:00-5:30pm	Closing Comments and Questions	Gatan