

April 12th Tutorial Agenda

8:00	Registration/Coffee/Breakfast	
8:30	Overview (Jerry Hunter, UW-Madison Materials Science Center)	
	Location: Varsity II Room Microscopy Techniques	Location: Northwoods Room Microanalysis
9:00	<u>Scanning Electron Microscopy & EDS (60 min)</u> Chris Santeufemio, Zeiss <u>User Applications (15 min)</u>	<u>Optical Spectroscopy (60 min)</u> Horiba Instruments <u>User applications (15 min)</u>
10:15	Break	
10:30	<u>Transmission Electron Microscopy (60 min)</u> Paul Voyles, UW-Madison Materials Science and Engineering <u>User Applications (15 min)</u> <u>Cryoelectron Microscopy (30 min)</u> Desirée Benefield, UW-Madison Biochemistry	<u>Surface Analysis (XPS, Auger, TOF-SIMS) (60 min)</u> Jerry Hunter, UW-Madison Materials Science Center Scott Bryan, Physical Electronics <u>User Applications (15 min)</u> <u>Glow Discharge Optical Emission Spectroscopy (30 min)</u> Philippe Hunault, Horiba Instruments
12:15	Lunch	
1:15	<u>Focused Ion Beam (45 min)</u> Brandon Van Leer, ThermoFisher Scientific <u>User Applications (15 min)</u>	<u>X-ray Analysis Methods (XRD, XRR, etc.) (45 min)</u> Don Savage, UW-Madison Materials Science Center <u>User Applications (15 min)</u>
2:15	<u>Atom Probe Tomography (30 min)</u> Sue Babcock, UW-Madison Materials Science and Engineering <u>Applications (15 min)</u> Cameca Instruments	<u>Nanoindentation (30 min)</u> Julie Last, UW-Madison Materials Science Center Chris Getz, Bruker <u>User Applications (15 min)</u>
3:00	Break	
3:15	<u>Scanned Probe Microscopy (45 min)</u> Julie Last, UW-Madison MSC <u>User Applications (15 min)</u>	<u>Electron Beam Lithography (45 min)</u> Yong Sun, Elionix <u>User Applications (15 min)</u>
4:15	Wrap Up (Jerry Hunter, UW-Madison Materials Science Center)	
4:30	Tutorials End	