



“In Situ Microscopy”
Midwest Microscopy and Microanalysis Society
University of Wisconsin-Madison
June 6th, 2014



Facility Open House, June 5th

Materials Science Center
1509 University Ave.
Madison, WI 53706

Midwest Microscopy and Microanalysis, June 6th

Room 1106 Mechanical Engineering Building
1513 University Ave
Madison, WI 53706

Free for members, \$20 non-members (includes membership), and \$5 students

Please RSVP by June 2nd, 2014 to Kristy Wendt: kwendt3@wisc.edu

Vendor tables are available for \$100 and can also be reserved with Kristy Wendt

Thu, June 5th University of Wisconsin-Madison Facility Open House

*Materials Science Center, MS&E Building Lobby
MS&E 265*

1 pm Poster session and Materials Science Center tour, coffee and cookies
1:45 pm Materials Science Center Director **Jon McCarthy** “Welcome”
2-3 pm **Featured Instruments Vendor Presentations:**
Matthew Curtis Zeiss 510 Meta™ Scanning Confocal Microscope
Brian R. Strohmeier Thermo Scientific™ K-Alpha™ XPS FE SEM
John Thornton Bruker Bioscope Catalyst™ AFM
3-4:30 pm Instrument demonstrations
4:30-5 pm Wine, Soda, Coffee and Babcock Dairy cheese

Fri, June 6th “In situ Microscopy” Midwest Microscopy and Microanalysis Society

*1106 Mechanical Engineering Building
Lunch: Materials Science Center, MS&E Building Lobby*

8-8:50 am **Registration**
8:50-9 am **Paul Voyles**, University of Wisconsin-Madison; “Welcome and society overview”
9-9:45 am **Greg Haugstad**, University of Minnesota; “Environmental AFM as a probe of biomedical coatings: hydration, lubricity and drug elution”
9:45-10:15 am **Xaoli Tan**, Iowa State University; “In situ TEM studies on phase transitions and polarization fatigue in ferroelectric polycrystals”
10:15-11 am Coffee, Vendor exhibits
11-11:45 am **Sairam Malladi**, Delft University of Technology; “In-situ TEM studies: heat treatment and corrosion of aluminum alloys”
11:45-12 pm **Jon McCarthy**, University of Wisconsin-Madison; “Facilities overview, invitation to lunch”
12-1:30 pm **Lunch** at the **Materials Science Center** with tours and posters
1:30-2 pm **Reza Shahbazian-Yassar**, Michigan Technological University; “In-situ aberration corrected STEM for Li-ion batteries”
2-2:30 pm **Dean Miller**, Argonne National Laboratory; “Measurement and characterization of Li-ion battery single particles”
2:30-3 pm **Bai Cui**, University of Illinois at Urbana Champaign; “In-situ TEM investigation of dislocation-grain boundary interactions in irradiated stainless steels”
3-3:30 pm Coffee, Vendor exhibits
3:30-4 pm **Robert Klie**, University of Illinois at Chicago; “Pushing the boundaries of in-situ STEM microscopy”
4-5 pm **Jon McCarthy and Paul Voyles; Discussion: Formation of a regional facilities directors focused interest group. All attendees are welcome to participate.**