



2026 Midwest Microscopy & Microanalysis Society (M3S) Spring Meeting



Emerging Opportunities and Challenges in In-Situ Microscopy

Friday, March 27, 2026
8:30 AM - 4:00 PM (CST)

[Register!](https://forms.gle/HTXxTyEb8wb2eZth8) (<https://forms.gle/HTXxTyEb8wb2eZth8>)

Location & Directions

Norris Center - Louis Room, 2nd Floor
Northwestern University - Evanston Campus

[Directions](https://www.northwestern.edu/norris/about/directions.html) (<https://www.northwestern.edu/norris/about/directions.html>) to the Norris Center
Coordinates: 42.0533,-87.6731

[Parking Information](https://maps.northwestern.edu/txt/facility/647) (<https://maps.northwestern.edu/txt/facility/647>).

South Parking Garage
1847 Campus Drive Evanston, IL 60208
Coordinates: 42.0508,-87.6736

Food & Cost

Breakfast & Lunch will be provided.



Louis Room - Room 2-232 - Norris Center, 2nd Floor

Vendors will be located in the Louis Room, #2-232 during the conference

* [Registration](https://forms.gle/HTXxTyEb8wb2eZth8) (<https://forms.gle/HTXxTyEb8wb2eZth8>) is required to receive complimentary lunch and breakfast.

Free for students!
 \$20 Academic/Government/Corporate

Featured Speakers & Schedule

	
<p>Dr. Stephen House</p> <p>Sandia National Lab</p> <p>"Tour de Fracture: High-cycle fatigue in the TEM. New techniques, discoveries, and opportunities"</p>	<p>Dr. Feng Wang</p> <p>Argonne National Laboratory</p> <p>"iPE4Pilot: integrated Process Engineering for Pilot-ready Cathode Production Enabled by In Situ Synchrotron X-ray and Electron Microscopy"</p>

Meeting Schedule

8:30 - 9:30 AM	Registration, Continental Breakfast, and Coffee
9:30 - 9:35 AM	Welcome and Opening Remarks
9:35 - 10:20 AM	<p>Keynote speaker: Dr. Stephen House, Sandia National Lab <i>Tour de Fracture: High-cycle fatigue in the TEM. New techniques, discoveries, and opportunities</i></p>
10:20 - 10:55 AM	<p>Dr. Po-Cheng Kung, UW-Madison <i>Intermittent Dynamics and Local Mobility in Metallic Supercooled Liquids: Insights from Electron Correlation Microscopy via Time-Resolved 4D-STEM</i></p>
10:55 - 11:15 AM	Break & Visit with Vendors
11:15 - 11:40 AM	<p>Nathan Rosenmann, Northwestern University <i>Assessing the Consequences of Liquid Thickness on the Spatial Resolution of Low Flux Liquid-Phase Transmission Electron Microscopy</i></p>
11:40 - 12:05 AM	<p>Dr. Stephen Mick, Gatan Inc <i>Dose Fractionated EELS: Pushing the limits of Low-Dose Experiments</i></p>
12:05 - 12:30 PM	Thomas Marchese, University of Chicago

	<i>Hide and Seek Sodium, Electrostatic Beam Charging Damage in Solid-State Electrolytes</i>
12:30 - 2:00 PM	Lunch & Visit with Vendors
2:00 - 2:15 PM	M³S Business Meeting
2:15 - 3:00 PM	Keynote speaker: Dr. Feng Wang <i>iPE4Pilot: integrated Process Engineering for Pilot-ready Cathode Production Enabled by In Situ Synchrotron X-ray and Electron Microscopy</i>
3:00 - 3:35 PM	Dr. Thilini Umesha Dissanayake, University of Illinois Chicago <i>Liquid Phase Electron Microscopy for High-Temperature Electrochemical Studies</i>
3:35 - 3:45 PM	Ren Xin, CIQTEK Co., Ltd. <i>RISE Microscopy: Correlative Raman–SEM Integration for Multimodal Micro- and Nanoscale Characterization</i>
3:45 - 3:50 PM	Closing Remarks

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