

# Midwest Microscopy and Microanalysis Society



## Electron Microscopy for Materials Research: Recent Developments and Future Opportunities

### Speakers:

#### **Nigel Browning**

*University of Liverpool*  
Observing the Atomic Scale  
Kinetics of Dynamic Processes in  
Liquids and Gasses by  
Transmission Electron Microscopy

#### **Robert Klie**

*University of Illinois at Chicago*  
In-Situ Materials Characterization at  
High Spatial Resolution: 2D Materials  
Based Liquid-Cell Microscopy

#### **Paul Voyles**

*University of Wisconsin – Madison*  
High Precision STEM Imaging of  
Cation Vacancies in Oxides and  
Nanocatalyst Surfaces

#### **Ben Myers**

*Northwestern University*  
Orientation Mapping by Electron  
Channeling: Stage-Rocked Electron  
Channeling in a Conventional SEM

#### **Vinayak Dravid**

*Northwestern University*  
Making a Mountain Out of a Molehill:  
Electron Microscopy for Materials  
Research at Northwestern

#### **Jim Zuo**

*University of Illinois at Urbana-Champaign*  
The Future of 4D Materials  
Science Using Electron Beams

#### **Ilke Arslan**

*Argonne National Laboratory*  
Advanced Measurements on the  
Nanoscale Enabled by Technique  
Development in the Scanning  
Transmission Electron Microscope

#### **Yue Li**

*Northwestern University*  
Controlled Rotation Tomography  
for Scanning Probe Microscopy

### **Free for M<sup>3</sup>S members**

\$5 for students; \$20 for non-members

Fee includes 2018 M<sup>3</sup>S membership

RSVP by emailing:

[secretary@midwestmicroscopy.org](mailto:secretary@midwestmicroscopy.org)

**Friday, March 30**

8 am - 4:30 pm

Evanston campus

Pancoe Hall | Abbott Auditorium

*Vendor participation is welcome. Limited tables are available for \$100.*

*Please email Steve Nagy ([stephen.nagy@zeiss.com](mailto:stephen.nagy@zeiss.com)) to reserve your table, and specify whether you need an outlet.*

