

# AReMS/ TVC-AVS Fall Meeting Program

## Thursday, October 4, 2018 (JIAM)

- 10:00-12:00 pm Image Analysis of Optical Micrographs, JIAM 147
- 10:00-12:00 pm Spectral Analysis with Jupyter Notebooks; JIAM 145
- 11:30 -7:30 pm JIAM Foyer and Cafeteria available for vendors and student posters
- 12:00-1:00 Box Lunch in JIAM Cafeteria, visit with vendors
- 1:30-3:30 pm Image Analysis with open-source software; JIAM 147
- 1:30-3:30 pm 3D Reconstruction of FIB slices of biological materials; JIAM 159
- 3:30-5:00 pm JIAM Cafeteria and Foyer
- 6:00-7:00 pm Banquet
- 7:00-8:00 pm Banquet talk:, Robert Simons, MSA Tour Speaker

## Friday, October 5, 2018 (JIAM 147)

- 8:00-8:45 am Coffee & Continental Breakfast
- 8:45-9:00 am Welcome, Gerd Duscher (President)
- 9:00-9:45 am Eric Vogel, Georgia Tech: **Large Area Synthesis, Characterization and Application of 2D Materials**
- 9:45-10:30 am Rajan Lamichhane, University of Tennessee: **Visualizing protein action at the single-molecule level**
- 10:30-11:00 am Visit Vendors & Student Posters; Coffee Break
- 11:00-11:45 am Representative, Eastman Chemical
- 11:45-12:30 pm Numan Lannait, Oak Ridge National Lab (ORNL): **Decoding Inverse Imaging Problems in Materials with Deep Learning and Supercomputing**
- 12:30-1:30 pm Business Meetings

**Register for this meeting at [www.arems.org](http://www.arems.org)**

## Posters submission requested from students.

All students posters are eligible for poster awards. Two students will be selected to present 15 minute talks, based on the quality of their abstracts.

Have a topic to present? Submit online at:  
<http://www.arems.org/student-poster-submission.html>

### **AReMS officers**

**President:** Gerd Duscher, University of TN-Knoxville,  
[guscher@utk.edu](mailto:guscher@utk.edu)

**Past President:** Tonya Coffey, Appalachian State University,  
[coffeys@appstate.edu](mailto:coffeys@appstate.edu)

**Physical Member-at-Large:** Zachary Russell, Ion Innovations  
[zach.russell@ion-innovations.com](mailto:zach.russell@ion-innovations.com)

**Biological Member-at-Large:** Tessa Burch-Smith, University of TN-Knoxville, [tburchsm@utk.edu](mailto:tburchsm@utk.edu)

**Corporate Member-at-Large:** Roger Kerstin, EDAX,  
[roger.kerstin@ametec.com](mailto:roger.kerstin@ametec.com)

**Treasurer:** Sam Pennington, Oxford Instruments,  
[sam.pennington@oxinst.com](mailto:sam.pennington@oxinst.com)

**Secretary:** Rich Fiore, Tescan USA, [rich@tescan-usa.com](mailto:rich@tescan-usa.com)

**Parliamentarian:** Stan Kunigelis, Lincoln Memorial University  
[stan.kunigelis@lmunet.edu](mailto:stan.kunigelis@lmunet.edu)

### **TVC-AVS**

**President:** Petro Maksymovych, Oak Ridge National Laboratory,  
[5nm@ornl.gov](mailto:5nm@ornl.gov)

**Info:** <https://www.avs.org/Chapters/Tennessee-Valley>

**ENJOY...**



... the fall colors and mountain scenery



... as well as the company of your fellow microscopists

For more information go to:

[www.arems.org](http://www.arems.org)



**Appalachian Regional Microscopy Society**

*An affiliate of the Microscopy Society of America (MSA)  
and the Microbeam Analysis Society (MAS)*

Together with

**TVC-AVS**

**Annual Fall Meeting Program  
October 4 & 5, 2018**

**At Joint Institute of Advanced Materials,  
Knoxville, TN**

