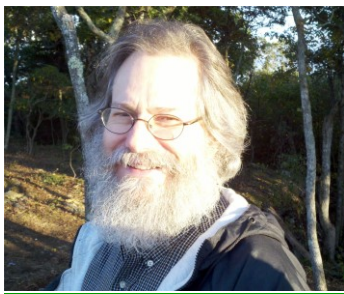


AReMS Fall Meeting Program



*A Celebration of Dr. Phil Russell:
Friend, Professor, Mentor,
Researcher and Entrepreneur*

Thursday, March 13, 2025

- 12:00 pm Registration Opens
La Quinta, Van from La Quinta to ASU
- 1:00-2:15 pm (1) *Hands on Tutorial*, John Thornton, Bruker Nano Surfaces;
Kelvin Probe Force Microscopy ASU, Garwood Hall
(2) *Hands on Tutorial* Sarah Carmichael, ASU,
TEM/EDS, ASU, Rankin Microscopy Center
(3) *Hybrid In-Person/Online Tutorial*: Pycroscopy,
Rama Vasudevan, ORNL.
- 2:30-3:45 pm (4) *Hands on Tutorial*, Ed Principe, PanoScientific LLC USA
Compressed Sensing Electron Microscopy ASU, Garwood
- 2:30-3:45 pm (5) *Hands on Tutorial*, Morgan Baker, ASU
Electron Back-Scatter Diffraction (EBSD) ASU, Rankin
(6) *Hybrid In-Person/Online Tutorial*: ML Controlled STEM
(Van to La Quinta)
- 4:30-6:00 pm Social/Student Poster
Session/Lighting Talks
(La Quinta)/Vendors
- 6:00-7:30 pm Dinner/Desert/Coffee
(Italian Buffet from Bella's)
- 7:30-8:30 pm Russell Education Award /
Remember-Celebrate
Dr. Phil Russell (ppt/stories)
- 8:30 Boone Microbrewery Fest!



Friday, March 14, 2025

- 7:45-8:30 am Morning Coffee/Snacks/Vendors
- 8:30-8:45 am Welcome/Introductions to Officers & Attendees
- 8:45-9:15 am Tessa Burch-Smith, Donald Danforth, Plant Science
Center: *Novel "In sights" Into plant intercellular
communication*
- 9:15-9:45 am Lynne Gignac, IBM Watson: *Identifying and Removing
Artifacts Formed During FIB TEM Sample Preparation of
Semiconductor Devices*
- 9:45-10:00 am Victoria Whidden, ASU: *Optical Trapping*
- 10:00-10:30 am Coffee Break/Poster Session Questions
- 10:45-11:15 am Richard Martens, UES, Wright-Patterson AFB, OH:
Confirmation Pending
- 11:15-11:45 am Beth Guiton, U Kentucky: *From Single Particle In-Situ
TEM to Lab-Scale Synthesis of Hollow Magnetic
Maghemite Nanocapsules*
- 11:45-12:00 pm Business Meeting/Voting
- 12:00-12:30 pm Awards (Rick McGill Innovation Award, Best Bio/Phys
Poster, Student Poster Awards)
- 12:30 pm Lunch/ASU Brewery Sciences

Posters submission requested.
All students' posters are eligible for poster awards.
Apply at www.arems.org

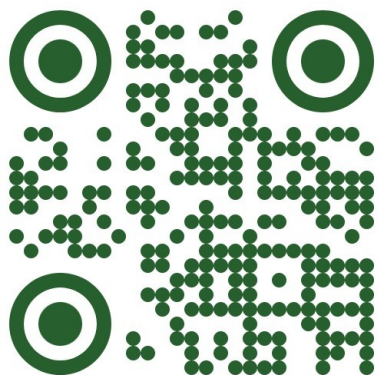
ENJOY...



... the mountain scenery and fall colors



... as well as the great memories



AReMS Spring Mtg. 2025
March 13 & 14
Boone, NC

For more information:
www.aremss.org

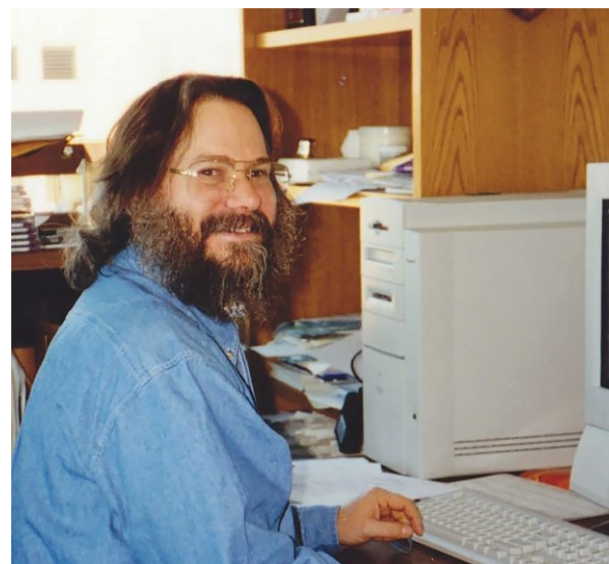


Appalachian Regional Microscopy Society

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

Spring Meeting Program
March 13 & 14, 2025

A Celebration of Dr. Phil Russell



At the
La Quinta Inn & Suites by Wyndham Boone University
Boone, NC (828-262-1234)

For more information:
www.aremss.org