

# AReMS Fall Meeting Program



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

## Thursday, October 10, 2024

- 12:00 pm Registration Opens  
LaQuinta/van from LaQuinta 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
- 2:30-3:45 pm (4) *Hands on Tutorial*, Ed Principe, PanoScientific LLC USA  
Compressed Sensing Electron Microscopy ASU, Garwood  
(5) *Hands on Tutorial*, Gabe Casale, ASU  
Electron Back-Scatter Diffraction (EBSD), ASU, Rankin  
(6) *Hybrid In-Person/Online Tutorial*: ML Controlled STEM  
(Van to LaQuinta)
- 4:30-6:00 pm Social/Student Poster  
Session/Lighting Talks  
(LaQuinta)/Vendors
- 6:00-7:30 pm Dinner/Desert/Coffee  
(Italian Buffet from Bella's)
- 7:30-8:00 pm Russell Education Award /  
Remember-Celebrate  
Dr. Phil Russell (ppt/stories)
- 8:00-9:00 pm Banquet Speaker: TBD
- 9:00 pm ... Boone Microbrewery Fest!



## Friday, October 11, 2024

- 7:45-8:30 am Morning Coffee/Snacks/Vendors
- 8:30-8:45 am Welcome/Introductions to Officers & Attendees
- 8:45-9:15 am Sara Miller, Duke
- 9:15-9:45 am Lynne Gignac, IBM Watson: *Quantum Computing*
- 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
- 11:15-11:45 am Beth Guiton, U Kentucky
- 11:45-12:00 pm Business Meeting/Voting
- 12:00-12:30 pm Awards (Rick McGill 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](http://www.arems.org)**

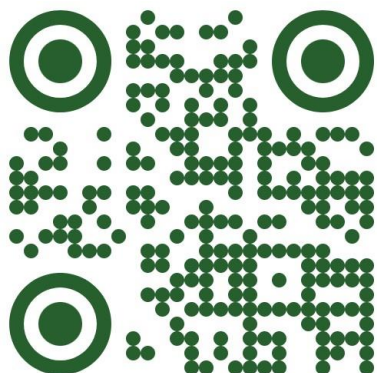
**ENJOY...**



... the mountain scenery and fall colors



... as well as the great memories



**AReMS 2024**  
**Oct 10 & 11**  
**Boone, NC**

**For more information:**  
**[www.aremss.org](http://www.aremss.org)**

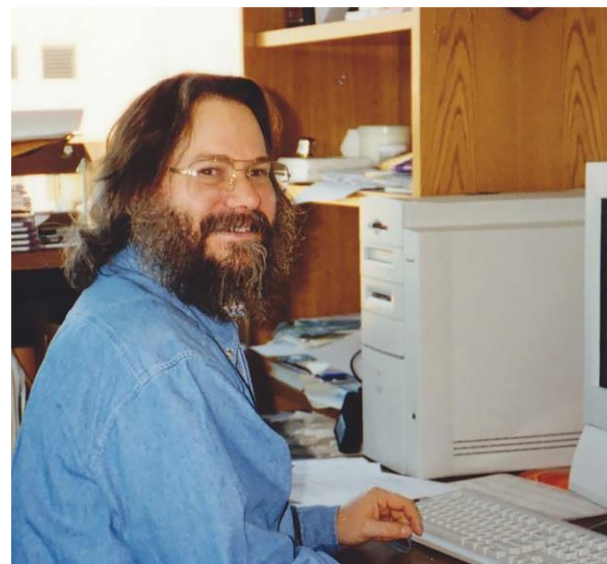


**Appalachian Regional Microscopy Society**

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

**Annual Fall Meeting Program**  
**October 10 & 11, 2024**

*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](http://www.aremss.org)**