

2014 Great Smoky Mountains National Park Science Colloquium

Thursday, March 20, 2014, The Park Vista Hotel, Gatlinburg

- 9:00** Welcome and Introductions — Paul Super, NPS
- 9:10** S. Douglas Kaylor and Jennifer A. Franklin, University of Tennessee, Knoxville, TN — **Health of Adult Fraser Fir as Assessed by Foliar Function.**
- 9:30** Greg Wiggins, *et al.*, University of Tennessee, Knoxville, TN — ***Sasajiscymnus tsugae* and *Laricobius nigrinus*: Are the Beetles Making a Hard Day's Night for Hemlock Woolly Adelgid?**
- 9:50** Anita Juen, University of Innsbruck, Austria — **Interactions between an Invading Asian Earthworm and Native Species of the Great Smoky Mountain National Park.**
- 10:10** Chelsea Cunard and Richard Lankau, University of Georgia, GA — **Frequency Dependence for *Microstegium vimineum* through Time: Invasion Persistence or Community Integration?**
- 10:30** break
- 10:45** Michael Van Nuland *et al.*, University of Tennessee, Knoxville, TN — **Fire Promotes Pollinator Visitation: Implications for Ameliorating Declines of Pollination Services.**
- 11:05** Scott Abila and Laura E. DeWald, Western Carolina University, Cullowhee, NC — **Multi-Severity Fire Effects and Predicting Burn Severity in Xeric Oak-Pine Communities in the Great Smoky Mountains National Park.**
- 11:25** Lunch
- 12:50** Eli T. Rose and Theodore R. Simons, North Carolina State University, Raleigh, NC — **Using Spacecraft, Aircraft, and Field Observations to Identify Patterns in Bird Distribution Following Changes in Fire Management.**
- 1:10** Joy O'Keefe, Susan Loeb, *et al.*, Indiana State University, Terre Haute, IN, and USDA Forest Service, Clemson, SC — **Indiana Bat Roost Habitat Selection in Great Smoky Mountains National Park and Surrounding Areas.**
- 1:30** Kevin Fouts *et al.*, University of Georgia, Athens, GA — **Effects of Fire Management Practices on the Amphibians and Reptiles of Great Smoky Mountains National Park.**
- 1:50** John Crawford, Lindenwood University, St Charles, MO, et al. — **Setting the Baseline: Elevational Distributions of Salamanders in Great Smoky Mountains National Park.**
- 2:10** break
- 2:25** Jeffrey B. Cannon, Christopher J. Peterson and Jeff Hepinstall-Cymerman, University of Georgia, Athens, GA — **Oh the Damage Done: Assessing Patterns of Wind Damage in the Great Smoky Mountains National Park.**
- 2:45** Christopher M. Godfrey, University of North Carolina, Asheville, NC, and Chris J. Peterson, University of Georgia, Athens, GA — **Estimating Enhanced Fujita Scale Levels Based on Forest Damage Severity.**
- 3:05** Anna Wilson, Greg Cutrell, Douglas K. Miller, and Ana P. Barros, Duke University, Durham, NC, and University of North Carolina, Asheville, NC — **Investigating Orographic Precipitation Processes in the Southern Appalachians.**
- 3:25** Marta Angulo-Martínez and Ana P. Barros, Duke University, Durham, NC — **Measurement Uncertainty in KE-I Relationships for Soil Erosion Studies: an Evaluation Using PARSIVEL Disdrometers in a Mountainous Region.**
- 3:45** Jing Tao and Ana P. Barros, Duke University, Durham, NC — **Coupled Prediction of Flood Response and Debris Flow Initiation During Warm- and Cold-Season Events in the Southern Appalachians.**
- 4:05** Conclusion: Farewell.