

Wildland-Urban Interface (WUI) Fires Workshop

Building and Fire Research Laboratory Annual Fire Conference
National Institute of Standards and Technology
Gaithersburg, Maryland
Thursday, April 30, 2009

- 8:30 Materials Flammability Plenary Speaker
Location: Green Auditorium
- 9:00 Introduction
William Mell, *Introduction and WUI Fire Modeling*
- 9:15 Session 1: “Computer Modeling of Wildland & WUI Fires”
Adam Kochanski , Univ. Utah, *Fire Spread and Hill Flow*
Mark Finney, US Forest Service, *Operational Wildland Fire Models: Current Uses and Future Needs*
Derek McNamara, McNamara Consulting Inc., *Using GIS to Create WUI/Wildland Fire Model Inputs*
- 10:30 Break/Poster Session
- 11:00 Session 2: “Remote Sensing Applications to Fuels, Fire, and Atmosphere Measurement”
Nick Skowronski, US Forest Service *Obtaining 3D Canopy Fuels from LiDAR*
Dale Lawrence, University of Colorado, *Small UAS Application to Weather and Fire Data Collection*
Open Discussion
- 12:30 Lunch
- 1:30 Wildland-Urban Interface Workshop Plenary Speaker (Green Auditorium)
Mike Hilbruner, USFS,
- 2:00 Session 3: “Structure Ignition via Firebrands- Codes and Standards”
Sam Manzello, NIST, *Investigating the Vulnerabilities of Structures to Ignition Under Firebrand Attack*
Seul-Hyun Park, NIST *On the Development of a Reduced Scale Wind Tunnel Facility for Firebrand Research*
Steve Quarles, UC Berkeley, *ASTM Standard to Evaluate the Ember and Flame Resistance of Vents: An Update*
- 3:30 Break/Poster Session
- 4:00 Session 4: "WUI Community Economic Modeling, Data Collection and Analysis"
David Butry, NIST, *Economics of Wildland-Urban Interface Fires*
Frank Roberts, Coeur d'Alene Tribe GIS Group, *Pre- and Post-Fire WUI Data Collection*
Alex Maranghides, NIST, *Post-fire Analysis of The Trails - A Community Burned in 2007 Witch Fire*
Open Discussion
- 5:30 Close
- 7:00 Informal Workshop Dinner
Whatever Restaurant – Cost is on your own