

Wednesday, 2 December

Day 3

0800-0920 Welcome and Plenary Sessions

Savannah Ballroom

(See Scientific Program Plenary Session Schedule on page 7)

0920-0950

Break

Joint Fire Science Program – Fuel treatments

Savannah B

- 0950-1010 The Science of Wildland Fuel Treatments: Retrospectives and Future Outlook
1015-1035 The National Fire and Fire Surrogate Study: Lessons Learned From an Organized Multi-site Research Project
1040-1150 Management panel

Philip N. Omi
James McIver, Thomas Waldrop
Dennis DuPuis, Tim Hepola, Dan Olsen

Fuel classifications in fire management

Savannah C

- 0950-1010 The Challenges of Classifying Fuels for Fire Management
1015-1035 The Fuel Characteristics Classification System (FCCS)
1040-1100 Fuel Loading Models: A Surface Fuel Classification for Estimating Fire Effects.
1105-1125 Fuel Classification in Canada: Meeting the Requirements of Next Generation Models for the Canadian Forest Fire Danger Rating System
1130-1150 Fuel Models for Fire Behavior and Fire Danger Rating in the U.S.

Bob Keane
Roger D. Ottmar
Duncan C. Lutes
Brad C. Hawkes
Patricia L. Andrews

Using FFI: How a Mild-Mannered Interagency Tool is Improving Monitoring Capability and Collaboration

Savannah D

- 0950-1010 FFI: What it is and What it Can Do For You
1015-1035 Sharing data within FFI across Forests and Agencies in the Southeast United States
1040-1100 Fire effects in the U.S. Central Grasslands : Integrating Long-term Monitoring With Fire Effects.
1105-1125 Using FFI Tools to Help Answer Fire and Fuels Questions in Southwest Oregon.
1130-1150 Analysis of 15 Years of Data from the California State Parks Prescribed Fire Effects Monitoring Program in the Lake Tahoe Basin

Duncan C. Lutes
Beth Buchanan
Sherry A. Leis
Jena DeJulio
Alison E Stanton

Advancing Flammability Research: Scaling from leaf traits to landscape fire behavior

Savannah E

- 0950-1010 Forest Floor Attributes Following Thinning and Chipping Ponderosa Pine in the Southern Black Hills, South Dakota
1015-1035 The Role of Pre-fire Fuel Management on Reducing Impacts of Large Fires in the Los Padres National Forest, California

Kate L. Cueno
Alexandra D. Sphard

1040-1100	<u>Physical Properties and Fuel Dynamics of Leaf Litter and Coarse Woody Debris in <i>Pinus douglasiana</i> Forests in Western Mexico</u>	Diego R. Pérez-Salicrup
1105-1125	<u>Moisture Effects on Conifer Litter Flammability</u>	Paul W. Cigan
1130-1150	<u>Introduction to Session “Advancing Flammability Research:” Scaling From Leaf Traits to Fire Behavior</u>	Dylan W. Schwilk
Human Dimensions: Cultural, Social and Economic Aspects		Oglethorpe A & B
0950-1010	<u>Wildfire evacuations in Canada 1980-2007</u>	Jennifer L. Beverly
1015-1035	<u>The 2005-2006 Oklahoma and Texas Wildfires: Lessons Learned from Victims and Survivors</u>	Robert W. Mutch and Paula Nasiatka
1040-1100	<u>Assessing Damages Associated with a Loss of Natural Resource Services due to Wildland Fire</u>	Robert Unsworth
1105-1125	<u>Individual Response to Voluntary and Involuntary Incentives to Mitigate Fire Hazard: What Works and What Doesn't?</u>	Sarah McCaffrey
1130-1150	<u>The Effect of Media Coverage and Political Pressure on Wildfire Suppression Costs</u>	Krista M. Gebert
Role of Technology		Plaza
0950-1010	<u>Using Soil Moisture and Weather Variables to Predict Live and Dead Fuel Moisture in Guinea Grasslands (<i>Urochloa maxima</i>) on Oahu, Hawaii</u>	Lisa Ellsworth
1015-1035	<u>OptFuels: Optimizing Placement of Fire and Non-fire Fuel Treatments over Time at Landscape Scales</u>	Woodam Chung and Greg Jones
1040-1100	<u>A Versatile, Portable Instrument Package for Fire Behavior and Fire Ecology Research</u>	Robert L. Kremens
1105-1125	<u>Forecasting Incendiary Fires Using Competing Time Series Approaches for Galicia, Spain, and Michigan, United States of America</u>	Jeffrey P. Prestemon
1130-1150	<u>Landfire – Completion of a National Dataset</u>	Kurtis Nelson
Landscape Level Issues: Changing Regimes and Fire History		Academy
0950-1010	<u>The Future of Fire Regime Condition Class – Where We Have Been, Where We Need To Go</u>	James Menakis
1015-1035	<u>Restoring an Appropriate Fire Regime to Fragmented Remnants: A Vital Attributes Approach</u>	Carl R. Gosper
1040-1100	<u>Fire Regime Class Assessment for the Conterminous U.S.</u>	Kori Blankenship
1105-1125	<u>Fire History of the Huron Mountains Landscape</u>	Rose-Marie Muzika
1130-1150	<u>Cumulative Fire Severity Effects of Multiple Fires Over a 36-year Period</u>	Jan W. van Wagtendonk
Smoke Effects and Management		Pulaski
0950-1010	<u>Results from Daysmoke for Weak Smoke Plumes</u>	Gary L. Achtemeier
1015-1035	<u>Experimental FCAMMS National Forecast Products for Smoke Management</u>	Timothy Brown

1040-1100	<u>BlueSky Modeling Framework: Status, Products, and Future Directions</u>	Tara Strand
1105-1125	<u>Hybrid Receptor Modeling Framework for Estimating the Contribution of Smoke and Its Source Regions to Fine Particulate Matter</u>	Bret A. Schichtel
1130-1150	<u>Using National Fire Danger Rating System and Estimating Smoldering Potential to Support Go / No Go Prescribed Fire Decisions on Organic Soils</u>	Gary M. Curcio

Fire, International Policy and Integrated Programs

Mercer

0950-1010	<u>Wildland Fire Suppression Planning and the Tragedy of the Commons</u>	Matthew P. Thompson
1015-1035	<u>What can California and Australia Learn From the Recent Australian Bushfires?</u>	Scott Stephens
1040-1100	<u>Institutional Arrangements for Fire Management in the Brazilian Amazon</u>	Maria Lucimar Souza
1105-1125	<u>Is Fire the Missing Ecological Link in the Swiss National Park (Central Alps, Switzerland)?</u>	Britta Allgöwer
1130-1150	<u>Background of The Fire Problem in Canaima National Park, Venezuela: Indigenous Inhabitants, the Role of Fire in Forest Loss, and Conservation Policies</u>	Bibiana A. Bilbao

1200-1330 Lunch

Joint Fire Science Program – Fire History and Changing Fire Regimes

Savannah B

1330-1350	<u>Implications and Insights From Fire History Research in the United States</u>	Thomas W. Swetnam
1355-1415	<u>Understanding and Managing Fire Regimes in a Changing Climate</u>	David L. Peterson
1420-1530	<u>Management panel</u>	Cody Wienk, Rosalind Wu, and Robin Wills

Fuels and Using Inventory Data for Strategic and Operational Assessment of Hazardous Fuels: From Stands to the Landscape

Savannah C

1330-1350	<u>Surface Fuel Litterfall and Decomposition in the Northern Rocky Mountains, United States of America</u>	Bob Keane
1355-1415	<u>A Logic Model for Assessing Wildfire Danger by Subwatershed Within the Pacific Northwest Region, USA.</u>	James D. Dickinson
1420-1440	<u>Integrating Fuels Inventory Data into Strategic and Operational Hazardous Fuels Assessments.</u>	John Blake
1445-1505	<u>Analysis of Fuel Characteristics Derived from Inventory Data</u>	Anne G. Andreu
1510-1530	<u>Evaluating Hazardous Fuel Treatment Alternatives in the Southeastern United States</u>	Roger D. Ottmar

Long-term studies of prescribed fire and vegetation dynamics in eastern oak forests		Savannah D
1330-1350	<u>talk was cancelled</u>	
1355-1415	<u>Repeated Fires Alter Stand Structure, Composition, and Gap-phase Regeneration in Ohio Mixed-Oak Forests: 13-year results</u>	Todd Hutchinson
1420-1440	<u>Effects of Varying Fire Frequencies on Forest Composition, Structure and Regeneration Opportunities in the Cumberland Plateau of Kentucky</u>	Mary Arthur
1445-1505	<u>Can Single Fires Adequately Promote Oak Regeneration on Moderate Sites? 11-year Study of Fire in Shelterwood Stands</u>	Patrick H. Brose
1510-1530	<u>Restoring Woodlands in the Missouri Ozarks: Changes in Forest Structure After 10-years of Frequent Burning</u>	Daniel C. Dey
Advancing Flammability Research: Scaling from leaf traits to landscape fire behavior		Savannah E
1330-1350	<u>Do Pyrogenic Needles of Savanna Pines Engineer Groundcover Plant Communities?</u>	Bill Platt
1355-1415	<u>Flammability of Landscape Materials in the WUI: Tests and Extrapolations</u>	Alan J Long
1420-1440	<u>The Burning Characteristics of Southeastern Oaks: Discriminating Fire Facilitators From Fire Impeders</u>	Jeffrey M. Kane
1445-1505	<u>Characteristics of Leaf Litter Flammability in the California oaks</u>	Eamon Engber
1510-1530	<u>Flammability for Plant Self-Protection</u>	Paul R. Gagnon
Human Dimensions: Cultural, Social and Economic Aspects and Education		Oglethorpe A & B
1330-1350	<u>“Burn Baby Burn” “Cultural Resource Management and Fire”</u>	Richard S. Kanaski
1355-1415	<u>Prescribed Fire: Influences on Community Support and Management Activities in Northern California</u>	Lenya N. Quinn-Davidson
1420-1440	<u>Using a Temporal & Spatial Decision Support Framework to Determine Data Gaps based on Management Information Needs in Central Oregon</u>	James Menakis
1445-1505	<u>Analyzing Wildfire Risk to Human and Ecological Values on the Deschutes National Forest in Central Oregon, United States of America</u>	Alan Ager
1510-1530	<u>Fire History and Climate Change Synthesis</u>	William T. Sommers
Role of Technology		Plaza
1330-1350	<u>Determining the Values and Risks of <i>Pinus pinaster</i> Ait. to fire: A GIS-based Multicriteria Decision-making Approach for Sustainable Forest Management in Corsica, Western Mediterranean.</u>	Lila Ferrat
1355-1415	<u>Using Quickbird Satellite Imagery for Post-wildfire Management and Research</u>	Sarah A. Lewis
1420-1440	<u>Multi-temporal Remote Sensing for Estimating Burn Severity and Detecting Vegetation Recovery</u>	Xuexia Chen
1445-1505	<u>Data Acquisition, Application Development, and Real-Time Information Sharing in Wildland Fire</u>	Jim Riddering
1510-1530	<u>Environmental Controls on the Burn Probability of a Fire-dominated Boreal Landscape</u>	Marc Parisien

Landscape Level Issues: Fire History and Fire and Carbon		Academy
1330-1350	<u>The Yosemite 1911 Project: Reconstructing Forests & Fire Effects Using Early 20th Century Timber Inventory Data.</u>	Richard G Everett
1355-1415	<u>Fire Regimes as a Cultural and Climatic Artifact—Insights From the Coast Redwood Forests of California</u>	Steve Norman
1420-1440	<u>Characterizing Wildland Fire for the USGS-biological Carbon Assessment</u>	Matthew G. Rollins
1445-1505	<u>Wildland Fire Spread and Fuel Consumption Modeling on North Carolina Pocosin Ecosystems: Lessons from the Evans Road Fire</u>	Andrew D. Bailey
1510-1530	<u>Effects of Fuels Treatment and Wildfire on Above-Ground Carbon Storage, Giant Sequoia National Monument, CA</u>	Dave Schmidt
Smoke Effects and Management		Pulaski
1330-1350	<u>Uncertainties in Fuel Loading and Fire Consumption Calculations and the Smoke and Emissions Model Intercomparison Project</u>	Narasimhan Larkin
1355-1415	<u>Identifying Chemical Markers for Quantifying Smoke Impacts on Particulate Matter Concentrations and Regional Haze</u>	Jeffrey L. Collett, Jr.
1420-1440	<u>Perspectives and Comparisons of Smoke Emissions From Historic and Modern Fires: Taking the Elephant out of the Closet and Placing it Into the Stadium</u>	Michael C. Stambaugh
1445-1505	<u>Predicting Prescribed and Wildland Fire Smoke, Emissions, and Fire Characteristics in Deep Organic Soils</u>	Robert A. Mickler
1510-1530	<u>The I-4 Disaster of 9 January 2008: Could it have been Predicted?</u>	Gary L. Achtemeier
Fire Effects: Flora		Mercer
1330-1350	<u>An Investigation of the Environmental Conditions under Which Scrub Will Burn</u>	Steve Morrison
1355-1415	<u>A Successional Model for Restoration and Management of a Diverse Natural Upland-Wetland Complex in Central Florida</u>	Michael Duever
1420-1440	<u>A Transitional Fire Model for Restoration and Management of a Diverse Natural Upland-Wetland Complex in Central Florida</u>	Michael Duever
1445-1505	<u>Impact of Fire Timing on the Post-fire Recovery of Seasonally Flooded Grasslands</u>	James R. Snyder
1510-1530	<u>Using Prescribed Fire and a Fire Surrogate to Restore Ephemeral Wetlands for Amphibian Breeding Habitat.</u>	Joyce Marie Klaus
1530-1600	Break	

Joint Fire Science Program – Post-fire Management		Savannah B
1600-1620	<u>BAER Soil: Changes in Mitigating Post-fire Erosion Mitigation</u>	Peter R. Robichaud
1625-1645	<u>Systematic Review of Post-wildfire Grass Seeding Effectiveness</u>	Jan L. Beyers and Donna L. Peppin
1650-1735	<u>Management panel</u>	Mike Pellant and Bruce Sims
Using Inventory Data for Strategic and Operational Assessment of Hazardous Fuels: From Stands to the Landscape		Savannah C
1600-1735	<u>Landscape Analysis of Surface and Crown Fire Potential in Southeastern US Forest Types</u>	Susan J. Prichard
1625-1645	<u>Developing Custom Fire Behavior Fuel Models from Inventory Data</u>	Bernard R Parresol
1650-1710	<u>A Comparison of Geospatially Modeled Fire Behavior Using Three Data Sources: LANDFIRE, Southern Risk Assessment, and Custom Fuel Models Developed From FCCS Fuelbeds</u>	Laurie L. Kurth
1715-1735	<u>Panel Discussion–Using Inventory Data for Strategic and Operational Assessment of Hazardous Fuels: From Stands to the Landscape</u>	John Blake
Long-term studies of prescribed fire and vegetation dynamics in eastern oak forests		Savannah D
1600-1735	<u>Effects of Multiple Prescribed Fires in a Mesic Mixed-oak Forest in West Virginia</u>	Thomas M. Schuler
1625-1645	<u>Mechanical Fuel Reduction and Repeated Prescribed Fires Impact Stand Structure and Regeneration in the Southern Appalachian Mountains</u>	Ross J. Phillips
1650-1710	<u>Panel Discussion</u>	
1715-1735		
Advancing Flammability Research: Scaling from leaf traits to landscape fire behavior		Savannah E
1600-1735	<u>Surface Fire Extinction in Mixedwood Boreal Forest Fuels</u>	Matthew B. Dickinson
1625-1645	<u>Application of Large Calorimeters for Assessing Flammability Traits</u>	Peter D. Cowan
1650-1710	<u>Effects of Vegetation Types and Fire Recurrence on the Flammability of Non-reconstructed Litters Sampled in Calcareous Provence (SE France).</u>	Anne Ganteaume
1715-1735	<u>Closing Remarks and Panel Discussion</u>	
Human Dimensions: Education		Oglethorpe A & B
1600-1735	<u>The Challenge of Soothing Unfounded Fire Fears</u>	J. vanWagtendonk, J. Sulentich, C. Hauser, C. Rice
1625-1645	<u>One Message, Many Voices for Prescribed Fire</u>	Lane Green
1650-1710	<u>Experiential Learning in Fire Management: A Case Study from Georgia, U.S.A.</u>	Carl Seielstad
1715-1735	<u>Deference to Expertise: Advances in Fire Practice</u>	Josh McDaniel

Role of Technology		Plaza
1600-1735	<u>Impact of Forest Fires on Tropical Deciduous Forests of India: A Study Using Integrated Approach of Remote Sensing and GIS</u>	Sudhakar Reddy Chintala
1625-1645	<u>Use of GIS to Visualize Fire Intensity and Predict Basal Fire Scarring on Oaks (Quercus) and Hickories (Carya) Across a Missouri Ozark landscape</u>	Aaron P. Stevenson
1650-1710	<u>Simulating Fire and Forest Dynamics for Coordinated Landscape Fuel Treatment Projects in the Sierra Nevada</u>	Brandon Collins
1715-1735	<u>A Comparative Evaluation of MODIS/ASTER Airborne Simulator (MASTER) Data and Burn Indices for Mapping Southern California Fires</u>	Sarah Harris
Landscape Level Issues: Fire, Climate and Climate Change		Academy
1600-1735	<u>Weather Associated With Fire-ending Events</u>	Justin Podur
1625-1645	<u>Future Continental- and Global-scale Climate Forcing of Fire Frequency Using the PC2FM Model</u>	Richard P. Guyette
1650-1710	<u>Thinking Clearly About Fire and Climate Change Adaptation: A Simple Model Applied to the Highlands of Southern Mexico and the US Intermountain West.</u>	Mary R. Huffman
1715-1735	<u>Fire Occurrence and Climatic Influences of Forests in the Peninsula and Transverse Mountains of Southern California</u>	Richard G Everett
Integrating Science & Management: Smoke Management		Pulaski
1600-1735	<u>Fuel Consumption and Smoke Emissions Resulting From Prescribed Fires in the Ouachita Mountains of Arkansas and Oklahoma</u>	Virginia McDaniel
1625-1645	<u>Smoke During the 2008 California Wildfires</u>	Sean M. Raffuse
1650-1710	<u>Measurement and Simulation of Smoke Plume Rise</u>	Yongqiang Liu
1715-1735	<u>Transport of CO₂ and Other Combustion Products in Soils during Slash-Pile Burns</u>	William J Massman
Fire Effects: Flora & Integrating Science & Management: Smoke Management		Mercer
1600-1735	<u>Woody debris and Tree Regeneration Dynamics Following Severe Wildfires in Arizona</u>	John Paul Roccaforte
1625-1645	<u>Effects of Prescribed Fire and Fire Use in the Gila National Forest, New Mexico</u>	Molly E. Hunter
1650-1710	<u>Aboveground Vegetation and Viable Seedbank of a Dry Mixed-conifer Forest Community at the Wildland-Urban Interface</u>	Gabrielle Snider
1715-1735	<u>Ecological Responses to Mulching Treatments in Colorado Coniferous Forests: Lessons From Landscape Sampling</u>	Mike Battaglia