

Tuesday, 1 December

Day 2

**0830-1150 Welcome and Plenary Sessions**

**Savannah Ballroom**

(See Scientific Program Plenary Session Schedule on page 7)

1150-1330

Lunch

**Joint Fire Science Program – Overview**

**Savannah B**

1330-1350	<u>Welcome, agenda, symposium purpose and JFSP direction</u>	Nate Benson
1355-1415	<u>Ten years of JFSP investments: a historical perspective</u>	Sue Conard
1420-1440	<u>Ten years of progress in fire science and application: what have we learned?</u>	Jim Douglas
1445-1505	<u>Ten years of progress in fire science and application: where do we need to go?</u>	Marc Rounsaville
1510-1530	<u>Ten years of progress in fire science and application: a university view</u>	Penny Morgan

**Prescribed Fire Combustion and Atmospheric Dynamics Research Experiments (Rx-CADRE)**

**Savannah C**

1330-1350	<u>An Overview of the Prescribed Fire Combustion and Atmospheric Dynamics Research Experiment (Rx-CADRE)</u>	J. Kevin Hiers
1355-1415	<u>Fuel Loading and Fuel Consumption for the RxCADRE Fires</u>	Roger D. Ottmar
1420-1440	<u>Prescribed Fire Combustion and Atmospheric Dynamics Research Experiment (Rx-Cadre).</u>	Bret Butler
1445-1505	<u>Remote Sensing of the Heat Environment</u>	Robert L. Kremens
1510-1530	<u>Local Thermal Imaging of the Heat Environment.</u>	Joseph J. O'Brien

**The Role of Fire in Oak and Oak/Pine Hardwoods in the Southeastern United States**

**Savannah D**

1330-1350	<u>The How and Why of Oak Dominance in the Central Hardwoods Region of the Eastern United States of America</u>	Daniel A. Yaussy
1355-1415	<u>History of Wildfires in the Mixed Hardwood/Pine Forests of Great Smoky Mountains National Park, Tennessee, United States of America</u>	Henri D. Grissino-Mayer
1420-1440	<u>Fire, climate and land-use change: Who is driving oak forest dynamics, and who is just along for the ride?</u>	Ryan McEwan
1445-1505	<u>Landscape-scale Fire Restoration on the Big Piney Ranger Districts in the Ozark Highlands of Arkansas</u>	McRee Anderson
1510-1530	<u>What Do We Lose if We Do Not Manage and Restore Oak Woodlands?</u>	Blane Heumann

**Mastication and Fire Effects Monitoring: What are we learning from our data?**

**Savannah E**

1330-1350	<u>Mastication and Prescribed Fire Impacts on Fuels, Fire Behavior and Tree Mortality in a 25-year-old Ponderosa Pine Plantation, Southern Sierra Nevada</u>	Scott Dailey
1355-1415	<u>Mechanical Mastication as a Method of Fuels Treatment in the Wildland Urban Interface in Southeastern Pine Flatwoods</u>	Jesse Kreye

1420-1440	<u>Restoration of Oak Ecosystems Using Prescribed Fire: Case Studies from Fire Effects Monitoring in the Southeast Region of the National Park Service, USA</u>	Rob Klein
1445-1505	<u>An Assessment of Forest Structure and Ground Cover Following Prescribed Fire or Thinning in National Park Service Units of the Black Hills</u>	Dan Swanson
1510-1530	<u>Adaptive Monitoring in Response to Changing Management and Natural Events</u>	Carl Schmidt
<b>45°N to 45°S People and Fire</b>		<b>Oglethorpe A &amp; B</b>
1330-1350	<u>Defining and Mapping the Wildland-Urban Interface in Fire-Prone Regions of the World</u>	Susan I. Stewart
1355-1415	<u>Legislating Cooperation: Examining Policy Strategies for Mandating Partnerships in Wildland Fire Planning in Australia and the US</u>	Rachel F. Brummel
1420-1440	<u>What Should People do during a Wildfire? Assessing Australian and American Discussions on Mass Evacuation Versus Prepare, Leave Early or Stay and Defend.</u>	Sarah McCaffrey
1445-1505	<u>Kiwis and Yankees Responding to Fire</u>	Pamela Jakes
1510-1530	<u>Fire Agency Views of Community Preparedness</u>	Alison Cottrell
<b>Landscape Level Issues: Land Degradation &amp; BAER; Land use Change &amp; Paleoecology</b>		<b>Plaza</b>
1330-1350	<u>Sensitivity of Recent Wildfire Extent and Severity to Annual Streamflow Distribution and Timing in the Pacific Northwest USA (1984-2005)</u>	Zachary A. Holden
1355-1415	<u>Potential Nutrient Loss in Smoke and Ash from Different Fuel Types</u>	Tina Bell
1420-1440	<u>Response of Cheatgrass (<i>Bromus tectorum</i>) to Native Seeding and Landscape-scale Imazapic Application in Zion National Park</u>	K. Weber
1445-1505	<u>BAER Seeding and Fertilization Treatment Effects on Plant Cover and Community Recovery Following Wildfires in the Eastern Cascades, USA</u>	Erich Dodson
1510-1530	<u>First-year Effectiveness and Vegetation Effects of Postfire Mulch Treatments on the Gap Fire</u>	Jan L. Beyers
<b>The impact of current Forest Insect outbreaks on Fire Behavior</b>		<b>Academy</b>
1330-1350	<u>Effects of forest insects on the Tripod Fire.</u>	Richy Harrod
1355-1415	<u>The Impact of Mountain Pine Beetle on Fire Behaviour – A Case Study of the Mitchell Ridge Prescribed Burn, Kootenay National Park, Canada.</u>	Rick Kubian
1420-1440	<u>Influence of Fuel Treatment, Burn Severity, and Site Characteristics on Vascular Plant Species Richness on the Mitchell Ridge Prescribed Burn, Kootenay National Park, BC</u>	Robert W. Gray
1445-1505	<u>Modeling Fire Spread and Intensity Across Bark Beetle-Affected Landscapes</u>	Michael J. Jenkins
1510-1530	<u>Evaluating Changes in Fuels and Potential Fire Behavior in Colorado's Mountain Pine Beetle-affected Lodgepole Forests: Integrating Field Data, Remotely Sensed Imagery, and Modeling</u>	Jenny Briggs

<b>Fire Effects: Flora</b>		<b>Pulaski</b>
1330-1350	<u>Effect of Post-fire Hydrology on Vegetation Dynamics in Southern Everglades Marl Prairies</u>	Jay P Sah
1355-1415	<u>talk was cancelled</u>	
1420-1440	<u>Ponderosa Pine Forest Understory Response to Post-fire Cattle Grazing.</u>	Michelle Buonopane
1445-1505	<u>Understanding the Variability of Fire Behavior on Siberian Scots Pine Sites</u>	Douglas J. McRae
1510-1530	<u>How Does Fire Intensity and Frequency Affect Miombo Woodland Tree Populations and Biomass?</u>	Casey M. Ryan
<b>Fire Behavior</b>		<b>Mercer</b>
1330-1350	<u>Spatial Pattern of Wildfire Severity</u>	Karin L. Riley
1355-1415	<u>Fire in Mediterranean Shrublands: Effects of Time Since Fire on Fire Behaviour and Intensity. Severity and Post-fire Mortality in Cypress (Taxodium distichum var. imbricarium) Domes following the Deep Fire, Big Cypress National Preserve, Florida</u>	Joseph B. Fontaine
1420-1440	<u>Assessing Fuel Treatment Effectiveness for Three California, United States of America Wildfires using FARSITE</u>	Adam Watts
1445-1505	<u>Changes in Spatial Patterns of Fire Severity and Implications for Ecological Processes in Southwestern Forests, United States of America</u>	Adam D. Baer
1510-1530	<u>Changes in Spatial Patterns of Fire Severity and Implications for Ecological Processes in Southwestern Forests, United States of America</u>	Sandra L. Haire
1530-1600	Break	
<b>Joint Fire Science Program – Fire ecology and fire effects</b>		<b>Savannah B</b>
1600-1620	<u>Fire ecology: what have we learned and what do we need to know?</u>	Jan W. van Wagtendonk
1625-1645	<u>Joint Fire Science Program fire effects research and application: overview, impact, and proposals for the future</u>	Matthew B. Dickinson
1650-1710	<u>Management panel</u>	Karen A. Murphy, Sue Stewart and Caroline Noble
<b>Prescribed Fire Combustion and Atmospheric Dynamics Research Experiments (Rx-CADRE)</b>		<b>Savannah C</b>
1600-1620	<u>Micrometeorological Measurements of the Prescribed Fire Combustion and Atmospheric Dynamics Research Experiment (Rx-CADRE)</u>	J. Kevin Hiers
1625-1645	<u>Relationship between Fuels and Fire Effects on the Rx-CADRE Prescribed Fires</u>	Andrew T. Hudak
1650-1710	<u>Panel Discussion from the Principal Investigators of Rx-CADRE</u>	J. Kevin Hiers
<b>The Role of Fire in Oak and Oak/Pine Hardwoods in the Southeastern United States</b>		<b>Savannah D</b>
1600-1620	<u>Effects of Fire Severity On Breeding Birds In the Southern Appalachian Upland Forests</u>	Nathan Klaus

1625-1645	<u>Insurance, Implementation, Indiscrimination: Prescribed Fire Issues in Southeastern Upland Hardwood Forests</u>	Callie Jo Schweitzer
1650-1710	<u>Panel Discussion</u>	
<b>Mastication and Fire Effects Monitoring: What are we learning from our data?</b>		<b>Savannah E</b>
1600-1620	<u>When Fire Effects Data Become Pre-fire Data: How Pyrodiversity, Hurricanes, and Subsequent Fires Influence Both Ecosystem and Research Succession Trajectories</u>	Leda N. Kobziar
1625-1645	<u>Fuel Load Reduction in Logged, Long-Unburned Longleaf Forest of the Piedmont Region in Alabama.</u>	Lisa McInnis
1650-1710	<u>Small-scale Differences in Duff With Relevance for Re-introduction of Burning in Long Fire-excluded Longleaf Pine (<i>Pinus palustris</i>)</u>	Sharon M. Hermann
1715-1735	<u>Monitoring Fire Effects of Repeated Biennially Burns in Longleaf Pine (<i>Pinus palustris</i>) Stands - 30 Years Later</u>	John S. Kush
<b>Integrative Approaches to Human-Fire Relations</b>		<b>Oglethorpe A &amp; B</b>
1600-1620	<u>Socio-ecological Variability of "Woods Arson" in the US Southeast</u>	Michael R. Coughlan
1625-1645	<u>Indigenous Landscape Management and Anthropogenic Fire Disturbance of Coastal Savanna in Southern Mozambique</u>	L. Jen Shaffer
1650-1710	<u>Landscapes as Ecofacts</u>	Francisco Seijo
1715-1735	<u>Controlled burning in Chiapas, Mexico: What Farmers Know and How to Share it.</u>	Mary R. Huffman
<b>Landscape Level Issues: Land Degradation &amp; BAER; Land use Change &amp; Paleoecology</b>		<b>Plaza</b>
1600-1620	<u>Evaluating Temporal and Spatial Drivers of Wildfire Frequency in the Context of Rural Development in Northern Wisconsin, USA</u>	Brian R. Sturtevant
1625-1645	<u>Self-organized Patterns of California Wildfires: Implications for Landscape Resilience</u>	Paul F. Hessburg
1650-1710	<u>The River of Fire: Pyroculture in the Everglades Ecosystem</u>	Rick Anderson
1715-1735	<u>A Holocene Record of Fire From a Subalpine Utah Forest: Linkages to Climate Change, Forest Composition and Beetle Infestations</u>	Andrea Brunelle
<b>The impact of current Forest Insect outbreaks on Fire Behavior</b>		<b>Academy</b>
1600-1620	<u>Forest Dynamics and Fire Behavior Following Mountain Pine Beetle Mortality in Rocky Mountain National Park</u>	Monique E. Rocca
1625-1645	<u>Photo Appraisal Guides for Bark Beetle-Affected Conifer Fuels</u>	Michael J. Jenkins
1650-1710	<u>Optimizing Salvage Harvesting of Burned Boreal Forests by Improving Prediction of Woodborer Damage</u>	Christian Hébert
1715-1735	<u>Panel Discussion</u>	

<b>Fire Effects: Flora</b>		<b>Pulaski</b>
1600-1620	<u>talk was cancelled</u>	
1625-1645	<u>Herbaceous Species Dynamics and Productivity in the Sudanian Savanna-woodlands of Burkina Faso, West Africa: Short Term Impact of Burning Season</u>	Sidzabda Djibril Dayamba
1650-1710	<u>The Impact of Multiple Wildfires on Trajectories of Change and Stable States in Sagebrush-steppe Ecosystems</u>	G. Matt Davies
1715-1735	<u>The Effects of Prescribed and Lightning Fires on Forests of Grand Canyon National Park</u>	Windy A. Bunn
<b>Fire Behavior</b>		<b>Mercer</b>
1600-1620	<u>Fuel Buildup and Potential Fire Behavior After Stand-replacing Fires, Salvage Logging and Herbicide use in Sierra Nevada Forests</u>	Thomas William McGinnis
1625-1645	<u>Characterizing Fire Severity Patterns in Three use of Wildland Fire Incidents in the Southern Sierra Nevada</u>	Nicole Vaillant
1650-1710	<u>Influences of Fuel Treatment Type and Age on Fire Severity in the Western United States</u>	Michael C. Wimberly
1715-1735	<u>Stand Structure and Surface Fuels Affect Wildfire Severity in a Mixed Conifer Forest, Eastside Cascade Range, Washington, USA.</u>	Christina Lyons-Tinsley
<b>Evening Events</b>		<b>Atrium</b>
1700-1930	<u>Silent Auction:</u> The Silent Auction is conducted as a fundraiser for the Student Association of Fire Ecology Scholarship. All proceeds go to the scholarship funds which are awarded to students from various disciplines who exhibit exemplary works to the field of fire ecology.	SAFE
1730-2100	<u>Poster Reception:</u> (see Poster Session for presenter title listings)	