

Please Note: This schedule is subject to change up until and including when we are onsite.

	Texas A	Texas B	Texas C	Exec salon1	Exec salon 2	Exec salon 3	Exec salon 4	Exec salon 5	Directors 2	
Mon 11/16	MONDAY		MONDAY		MONDAY		MONDAY			
Tues	TUESDAY									
Tues	Workshops and Attached Meetings									
Tues	8am	Welcome: Brian Oswald, Karen Stafford, Thomas Spencer, Brent Leisure.								
Tues	9:55am	Opening Plenary: Citlali Cortés Montaño (intro), Christine Eriksen, Andrea Medina, Bequi Livingston, USFS tba; Jane Park (closing remarks)								
Tues	11:30	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	
Tues 11/17	Session Title	SS05: Novel approaches for leveraging big data for fire monitoring, planning and management Moderator: S. Norman	SS12: Fire Ecology and Livelihoods: Expanding the Horizons of the Human Dimensions of Fire Past and Present Moderator: M. Coughlan	SS14: Wildland fire impacts on subsequent fire behavior, fire effects, and post-fire vegetation dynamics Moderator: S. Parks	SS16: Benefit Analysis in Wildfire Decision Making Moderator: M. Taber, S. Opperman	SS04: Causes and Consequences of Fire Regime Shifts in SubTropical, Temperate, and Boreal Forest Ecosystems Moderator: A. Taylor	Global and International Fire Studies Moderator: B. Oswald	Fire Research I: Moderator:	Fire Ecology I: Moderator:	Fire Ecology II: Moderator:
Tues 11/17	1:00	D. Lee: Big Problems Demand Big Data: Promise and Pitfalls of Using Big Data to Cohesively Manage Wildland Fire.	A. Sullivan: Anthropogenic Fire Ecology and Food-Supply Security: Lessons from Archaeology	A. Hudek: Rates of Post-fire Vegetation Recovery and Fuel Accumulation as a Function of Burn Severity and Time-since-burn in Four Western U.S. Ecosystems	D. Bahr: Federal Wildland Fire Policy: Help or Hindrance to Managing Fire on the Landscape	E. Kasischke: An Assessment of the Causes and Impacts of Recent Fire Regime Changes in the Boreal Forest Region of Western North America	S. Pyne: Fire history as big history	C. Hanes: Using the Canadian Precipitation Analysis (CaPA) to improve fire danger prediction.	S. Malone: Tree refugia within megafire perimeters indicate very long recovery times for dry conifer forests of the interior West	H. Starns: Impacts on prairie-chicken habitat from management of rangeland fuels
Tues 11/17	1:20	J. Kumar: Mining Historical MODIS Hotspots Archive to Characterize Global Fire Regimes	P. Laris: The Implications of Anthropogenic Burning Practices for Estimating Burned Area, Fire Severity, and Emissions in West Africa	L. Yocum: Wildfire as Fuel Treatment Effects on Subsequent Fire Size, Severity, and Management Factors in the Southwest	M. Taber: Fire Use: It's All About the Objectives	Y. Bergeron: Spatio-temporal Heterogeneity in the Fire Regime Shifts Following the Little Ice Age in Eastern Boreal Canada	S. Hallgren: Improving management of wildlife parks in West Africa through better understanding of the interactions among fire, vegetation and elephants: A research proposal	K. Nelson: Quantitative validation of preliminary Burned Area Essential Climate Variable data products	M. Rother: Limited conifer regeneration following wildfires in low-elevation forests of the Colorado Front Range	M. Smith: Measuring and modeling effects of wildfire on riparian-nesting bird habitat in New Mexico
Tues 11/17	1:40	S. Norman: Monitoring Seasonal Fire Niches with Large Phenological and Fire Datasets	M. Coughlan: Transitioning from Livelihood Fire to Suppression Fire in the US Southeast: Causes and Consequences of Fire Regime Transition in Two Forested Landscapes	B. Collins: What does Moderate Severity Mean in Pine-Mixed-Conifer Forests and What is its Fate when Reburned by a Large Wildfire?	T. Ingalsbee: Yearn to Burn: Ecological Fire Use for Restoration Objectives	P. Higuera: Causes and Ecosystem Consequences of Fire-regime Variability from Decades to Millennia	N. Brouwer: Dutch wildfire spreadmodel: Small sale fires, large scale impact	S. Parks: Wildland fire deficit and surplus in the western US	C. Ferster: Relationships between crown mortality, pre-fire vegetation, topography, and fire weather within natural wildfires in the western Canadian boreal forest	M. Agne: Post-mountain pine beetle lodgepole pine forests: assessing fire effects in the recently burned Pole Creek Fire area, East Cascades Mountains of Oregon, USA

Tues 11/17	2:00	B-G. Brooks: Information Theory Applied to Wildfire Mediated Succession	G. Snitker: Linking the Social and Ecological Dynamics of Anthropogenic Fire Regimes Through Agent Based Modeling (ABM) and Geographic Information Systems (GIS)	C. Stevens-Rumann: The Evaluation of Burn Mosaics on Subsequent Wildfire Burn Severity and Post-fire Effects	T. Opperman: Assessing Resource Benefits at the Incident Level	M. Cochrane: Climate, Land Use and Land Cover Change-driven Fire Regime Shifts in Tropical Forests of the Brazilian Amazon and Indonesian Peatlands: Causes, Consequences and Divergences	R. Singh: Modelling forest fire risk zone for the management of fire in tropical thorn forest, India	S. O'Neill: Wildfire Emissions and Smoke Forecast Modeling - The 2015 Wildfire Season	C. Miller: The spatial and temporal variability of modern-day fire refugia in temperate forests of western Canada and the United States	G. Meigs: Can insect outbreaks reduce the severity of subsequent forest fires?
Tues 11/17	2:20	F. Hoffman: Applying a Big Data Approach to Detecting Fire Disturbances and Recovery at a Continental Scale Using Satellite Remote Sensing	K. Derr: Humanized Landscapes: How Fire Shaped Small-Scale Societies in the Pacific Northwest	B. Harvey: Burn Me Twice, Shame on Who? Testing Feedbacks Among Multiple Wildfires and Identifying Factors Leading to Two Successive Stand-replacing Fires	J. Scott: Overview of Effects Analysis in a Wildfire Risk Assessment Framework	J. Miller: Pre-settlement vs. Modern Fire Regimes of the Sierra Nevada, California, USA	B. Peterson: Deriving CBD from lidar for operational canopy fuels mapping	K. Robertson: Fire environment effects on particulate matter emission factors in southeastern U.S. pine-grasslands	K. Kemp: Fire mediates the role of climate in determining tree regeneration patterns in mixed conifer forests of the U.S. northern Rockies	S. Howard: Current Status of the Monitoring Trends in Burn Severity
Tues	2:40	<i>Break</i>	<i>Break</i>	<i>Break</i>	<i>Break</i>	<i>Break</i>	<i>Break</i>	<i>Break</i>	<i>Break</i>	<i>Break</i>
Tues 11/17	Session Title	SS05: Novel approaches for leveraging big data for fire monitoring, planning and management Moderator: S. Norman	SS08: Season of Prescribed Burning in Grassland Management Moderator: A. Toomey	SS14: Wildland fire impacts on subsequent fire behavior, fire effects, and post-fire vegetation dynamics Moderator: S. Parks	SS16: Benefit Analysis in Wildfire Decision Making Moderator: M. Taber, S. Opperman	SS04: Causes and Consequences of Fire Regime Shifts in SubTropical, Temperate, and Boreal Forest Ecosystems Moderator: A. Taylor	Global and International Fire Studies Moderator: B. Oswald	Fire Research 2: Moderator:	Fuels Management I: Moderator:	Fire Ecology III: Moderator:
Tues 11/17	3:05	W. Hargrove: An Empirically Derived National Map of Relative Wildfire Probability Rankings	L. Vermeire: Northern Mixed Prairie Response to Fire Seasonality and Return Interval	M. Coppolette: Influence of Post-fire Vegetation and Fuels on Fire Severity Patterns in Reburns: Implications for Restoration	P. Morgan: Harnessing the Power of Fire to Change Landscapes	D. Bird: Co-evolutionary Dynamics and Anthropogenic Pyrodiversity in Australia's Western Desert	N. Brouwer: Fuel research in the Netherlands and the UK	C. Dicus: Changing WUI Fire Risk in Dissimilar Communities of Southern California, USA	E. Knapp: Restoring forest heterogeneity with mechanical thinning and/or prescribed fire – early results from the Variable Density Thinning study, central Sierra Nevada, CA	E. Loudermilk: Does fire behavior drive community assembly through neutral processes in frequently burned ecosystems?

Tues 11/17	3:25	K. Riley: Advancements in Spatial Wildfire Risk Analysis	M. Lata: The Effects of Soil Moisture on Fire Characteristics in Experimental and Prescribed Fires in Mixed and Tallgrass Prairie	J. Lyderson: Landscape Interaction of Previous Fire and Fuel Treatments and Rim Fire severity	P. Bowden: Using Benefit Analysis in Pre-planning the Response to Wildfires in the Southern Sierra National Forests (spatial fire management planning)	A. Taylor: Land-use Change Triggers Fire Regime Shifts and Modulates Sierra Nevada Fire-Climate Interactions since 1600 CE	B. Heumann: Low-cost approach to fire danger ratings in tropical forest and grasslands	B. Wolk: Assessing Fire Hazard Reduction Treatment Effectiveness On Non-Federal Lands In The Colorado WUI	P. van Mantgem: Duration of fuels reduction following prescribed fire in coniferous forests of western U.S. national parks	J. Iniquez: Changes in forest structure relative to burn severity classes in the sky islands of southeastern Arizona
Tues 11/17	3:45	J. Menakis: Comparison of Several Wildfire Risk Assessment Studies Completed over the Last Couple Years for National Forest Lands in the Western and Counterminous United States	A. Toomey: Season of Prescribed Burning on Kleberg Bluestem (<i>Dichanthium annulatum</i>) in South Texas	J. Stevens: Multi-scale effects of fire severity on snowpack dynamics in montane coniferous forests	D. Helmbrecht: Integrating Analysis of Ecological Integrity with the Wildfire Risk Assessment Framework in the Southern Sierras	J. Huffman: Fire History of a Central Florida Pine Savanna Landscape	R. Gosford: Ornithogenic fire - birds as propagators of fire in the Australian savannah	A. Gantaume: Can ranking the flammability of ornamental species be used for the fire risk assessment in WUI ?	N. Vaillant: An evaluation of the Forest Service hazardous fuels treatment program – Are we treating enough in the right places?	B. Bright: Examining patterns of vegetation recovery following wildfire using Landsat time series analysis
Tues 11/17	4:05	D. Nguyen: Develop a Multistage Stochastic Program with Recourse for Scheduling Prescribed Burning Based Fuel Treatments with Consideration of Future Wildland Fires and Fire Suppressions	D. Snyder: Post Wildfire Rangeland Response Under Different Grazing Management Scenarios	M. Parisien: Age Dependence of Wildfires in the Northern Boreal Forest of Canada	T. Sexton: Restoring Fire to North American Wildlands - A Call to Action	R. Noss: Fire Seasonality in the Southeastern US Coastal Plain: Should Managers Mimic the Lightning Fire Season?	F. Schoeffler: Human Factors Influenced the 30 June 2013 Yarnell Hill Fire Fatalities	J. Lesser: Detecting fires: A Nationally Consistent Rule Based Approach	E. Reinhardt: Fuel Management in the US Forest Service – Aspirations and Reality	R. Magalhaes: Moisture content overwhelms the effect of volatile content in litter flammability of a mixed-conifer forest
Tues 11/17	4:25	R. McCarley: Linking LiDAR-measured fire effects with traditional reflectance-based burn mapping	S. Rideout-Hanzak: Using prescribed fire to manage endangered slender rush-pea (<i>Hoffmannseggia tenella</i>) in southern Texas, USA	S. Pritchard: Wildland Fire-on-Fire Interactions: A Review of Fire-prone Ecosystems and Implications under a Changing Climate	E. Steffey: Developing an Integrated Behavioral Model to Understanding Homeowner Mitigation	V. McDaniel: Tree mortality following a drought-year lightning ignition in the Ouachita Mountains, Arkansas	D. Phiri: History of Fire in Kafue National Park of Zambia: From 2000 to 2013	C. Sieg: Physics-based fire model provides insights on fire spread following bark beetle-induced tree mortality	K. Wilkins: Shrubland fire hazard reduction has drawbacks for biodiversity	J. Roccaforte: Forest structure and fuels dynamics following ponderosa pine restoration treatments, White Mountains, Arizona, USA

Tues 11/17	4:45	Panel: Putting big data to work	K. Kuhar: Management considerations in the use of heavy equipment in restoring grassland ecosystems.		Panel Discussion	C. McHugh: Comparison of temperature and relative humidity values from Sling Psychrometers and Electronic Weather Meters in an Controlled Environment	M. Bhatta: Forest Fire Risk in Chitwan by Using RS and GIS	M. Miller: Rapid response tools and datasets for post-fire modeling and fuels planning	J. Scott: The relative contribution of USFS land to wildfire risk to adjacent homes—a pilot assessment on the Sierra National Forest, California	C. Dunn: Improving fire severity maps to assess forest resilience: Tree survival is more important than mortality for vegetation response to mixed-severity fire
Tues Wed	5:30	Poster Reception hallway								
		WEDNESDAY				WEDNESDAY			WEDNESDAY	
Wed 11/18	Session Title	SS07: Fire Effects on North American Wildlife and Livestock Moderator: J. Scasta	SS10: Bridging gaps between fire ecology and archaeology: A millennial perspective on managing cultural-ecological landscapes Moderator: R. Loehmann	SS03: Effects and considerations of mastication fuels treatments: Where are we in our scientific understanding of these treatments? Moderator: M. Battaglia	SS19: Physical Mechanisms of Wildland Fire Spread Moderator: S. McAllister	Climate Change and Fire Weather Moderator:	SS18: The state of fire ecology in Latin America and Iberia in the 21st century: Science, management and policy perspectives Moderator: C. Cortés Montaño	SS01: Promoting Dialogue and Interactive Science Delivery Through the JFSP Fire Science Exchange Networks Moderator: B. Wolfson	SS11: Science and Management of Frequently Burned Conifer Ecosystems in North America Moderator: M. Stambaugh	SS21: Fire Trek: The Next Generation Moderator: T. Ingalsbee
Wed 11/18	8:00	R. Limb: Heterogeneity-based Conservation Strategies for Great Plains Conservation: Implications for Livestock Production	R. Loehman: Fire and Fire Surrogates in Cultural-ecological Landscapes of the Prehistoric Southwest	T. Jain: Mastication Treatment Parameters: Can We Alter Post-treatment Outcomes?	M. Finney/J. Cohen/S. McAllister: Towards Understanding Wildfire – Lessons from Fire Protection Engineering	E. Dodson: Limited tree regeneration following stand-replacing wildfire at warm dry sites; implications for regeneration in a changing climate	C. Cortés Montaño: 1998: El Niño, Wildfire, and the Onset of a National Fire Management Program in México	A. Thode: The Southwest Fire Community: Developing Relationships and Products to Meet Diverse Needs	L. Boring: Frequent Fire Forest Ecosystems: Developing a Common Understanding of Forest Structure and Function	M. Tiller: Effects of Yaupon, Chinese Privet, and Chinese Tallow on Understory Fuel Flammability in East Texas Hardwood and Pine Ecosystems
Wed 11/18	8:20	R. Hamilton: Ecological Restoration and Conservation Outreach in the Tallgrass Prairie of Oklahoma	C. Roos: Integrated Archaeology and Paleoeecology Reveal that Native American Land-use may have Buffered the Fire Impacts of Centennial-scale Climate Variability	J. Halbrook: Mastication: An Alternative to Grapple Piling and Burning Activity Fuels	J. Urban: Comparing Flaming and Smoldering Spot Ignition of Natural Fuels by Hot Aluminum Particles	D. Hallema: Discussion of short and long term hydrologic effects of wildfire and associated management strategies in forests of the contiguous United States	R. Alfaro Sanchez: Growth and function responses after wildfires depend on site dryness in Pinus halepensis Mill.	J. Creighton: The Known Unknown: Bringing Diverse Stakeholders Together to Address a Wicked Problem	B. Gannon: Structural Reference Conditions for Colorado Front Range Ponderosa Pine forests	T. Bloom: Impact of Climate Change and Wildfires on a High Elevation Flower in the Rocky Mountain Floristic Region

Wed 11/18	8:40	R. Verble-Pearson: Impacts of Prescribed Burning on Central Texas Harvester Ant Populations	N. Kessler: Historical Land Use and Changes in Fire Occurrence in a Piñon-Juniper Woodland, Cebolla Canyon, Western New Mexico	S. Hvenegaard: Mastication Practices and Research - A Canadian Perspective	X. Huang: Computational Smouldering Combustion in Peat Fires: ignition, Spread and Extinction	D. McKenzie: Climate change and the eco-hydrology of fire: why area-burned projections are wrong	D. Molina Terrén: Wildland Fire Use (Prescribed Fire and Suppression Fires) in South Europe and Latin America	V. Wright: Spanning Boundaries in the Northern Rockies: Understanding Audiences as a Critical Piece of the Science Delivery Puzzle	R. Masters: Fire Frequency as a Determinant of Succession Pathway on Xeric Oak-Pine Sites	A. Weill: Fire and Functional Traits: How do Fire-adapted Traits Relate to Historical, Recent, and Future Fire Regimes in Post-fire Reseeding Ceanothus Species?
Wed 11/18	9:00	J. Scasta: Fire Effects on Parasites of Livestock and Wildlife	L. Huckaby: Historic Fire Regimes and Native American Influences on Ignitions in the Northern Colorado Front Range Foothills	R. Keane: Physical and Chemical Characteristics of Surface Fuels in Masticated Mixed-conifer Stands of the Western United States	J. Gallacher: The Ignition and Burning of Live Fuels Studied using Natural Variation in Fuel Characteristics	A. Cardil Forradellas: Fire spread patterns, extreme weather conditions and wildfires	F. Seijo: Legacy Effects of Preindustrial Era Fire Practices in Iberian Forest Ecosystems: Defining Historical and Social Ranges of variability in Two Unevenly Developed Chestnut Forest Coupled Human and Natural Systems	G. Edwards: Adapting Fire Knowledge Exchange to Digital, Social, and Ecological Dimensions in the Southern Rockies	J. Martin: Documenting Frequent Fire Regimes in Mixed Pine-Oak Forests of Pennsylvania	D. Hammond: Contrasting Sapling Bark Allocation of Five Southeastern USA Hardwood Tree Species in a Fire-prone Ecosystem
Wed 11/18	9:20	R. Moranz: Understanding the Effects of Wildland Fire on North American Butterflies	A. Kilmaszewski-Patterson: What's really Driving 2000 Years of Forest Change in the Southern Sierra Nevada, California	G. Hamby: Long-term Ponderosa Pine Growth and Mortality Following Mastication and Prescribed Fire in Northern California, USA	B. Shotorban: A Full-physics Computational Study of Pyrolysis and Ignition of a Leaf-like Fuel Element Exposed to Convective Heating	J. Keeley: Fire Climate Relationships Along Latitudinal and Elevational Gradients in California	E. Acosta Lugo: The Regional Program for Wildfire Attention in the Yucatan Peninsula, México	C. Maier: The Burning Issues Paradox - How a Narrow Focus Led to "New Ways of Thinking & Awareness"	M. Stambaugh: Projected Climate Change Impacts on Frequent Fire Regimes in the Southcentral U.S.	M. Wright: Characterizing the Effects of Burn Severity, Mountain Pine Beetle, and Microhabitat on Lodgepole Pine Regeneration Following the High Park Fire
Wed	9:40	<i>Break</i>	<i>Break</i>	<i>Break</i>	<i>Break</i>	<i>Break</i>	<i>Break</i>	<i>Break</i>	<i>Break</i>	<i>Break</i>
Wed 11/18	Session Title	SS07: Fire Effects on North American Wildlife and Livestock Moderator: J. Scasta	SS10: Bridging gaps between fire ecology and archaeology: A millennial perspective on managing cultural-ecological landscapes Moderator: R. Loehmann	SS03: Effects and considerations of mastication fuels treatments: Where are we in our scientific understanding of these treatments? Moderator: M. Battaglia	SS19: Physical Mechanisms of Wildland Fire Spread Moderator: S. McAllister	<i>Climate and Fire Weather</i> Moderator:	SS18: The state of fire ecology in Latin America and Iberia in the 21st century: Science, management and policy perspectives Moderator: C. Cortés Montaño	SS01: Promoting Dialogue and Interactive Science Delivery Through the JFSP Fire Science Exchange Networks Moderator: B. Wolfson	SS11: Science and Management of Frequently Burned Conifer Ecosystems in North America Moderator: M. Stambaugh	SS21: Fire Trek: The Next Generation Moderator: T. Ingalsbee

Wed 11/18	10:05	S. Wiggam: Patch-burn Grazing Promotes Pollinator Diversity on Working Ranches	M. Power: Fire, Climate and Humans in Lowland South America Through Time	W. Reed: Long-term Changes in Masticated Woody Fuelbeds in Northern California and Southern Oregon	J. Gallacher: The Effect of Heating Mode on the Ignition and Burning Behavior of 10 Live Shrub Fuels	R. Guyette: The direction, magnitude and theory of ecosystem fire probability as constrained by precipitation and temperature	S. Ortega-Jimenez: A fire frequency reconstruction of a mixed conifer forest in San Miguel Cajonos, Oaxaca, México	D. Godwin: Private Landowners, NGOs, and Government Agencies: OH MY! Meeting Diverse Fire Science Needs	W. Flatley: Does Fire Suppression Alter Ecosystem Services Provided by Frequent Fire Conifer Forests across North America?	H. Larson: Don't forget the little guys: how smoke transports microbes and what it might mean for surrounding forests.
Wed 11/18	10:25	B. Hossack: Effects of Wildfire on Amphibians and Their Parasites: Influences of Burn Severity, Isolation, and Management	T. Hanson: Dynamic Entanglements on the Fringe: Fire, Community, and Ecological Change in Lowland Bolivia	J. Kreye: Masticated Fuels and How They Burn: A Review of Early Findings	J. Cohen: Fuel Particle Heat Exchange during Wildland Fire Spread	A. Terrier: Paludification mediate the ecological impact of an intensifying wildfire regime in the Clay Belt boreal forest of eastern North America.	P. Llamas-Casillas: Historical Fire Regime and Land Use in Western México	S. Leis: The Heart of Fire in the Great Plains: Private Landscapes, Prescribed Burning, and Collaborative Fire Communities	S. Brantley: Water Yield Tradeoffs of Promoting Carbon Sequestration in Frequent-fire Forest Ecosystems of the Southeastern United States	D. Godwin: Pyrogeography of Savanna Fire Intensity at Kruger National Park
Wed 11/18	10:45	J. Beck: Sage-Grouse and Sagebrush Habitat Response to Fire	R. Guyette: Embracing 'Smart Ignitions' in the Combustion Dynamics of Ecosystems	P. Morgan: Fire Behavior in Masticated Fuels Burned in Lab and Field Experiments.	S. McAllister: Shape Effects on the Convective Ignition of Wood	C. O'Connor: Projected impacts of climate change on vegetation and fire in the Huachuca Mountains of Arizona	H. Martinez-Torres: Traditional Fire Knowledge Systems in a Temperate Forest Ecosystem	Panel Discussion	J. O'Brien: Why Frequently Burned Pine Ecosystems are Susceptible to Catastrophic Shifts in Ecological Regimes	T. Wicks: Fire and Cavity Nesting Bird Communities: Do Fire Severity and Time-Since-Fire Mediate Community Composition and Nest-Web Assemblages?
Wed 11/18	11:05	T. Hovick: Increasing Grassland Suitability for Prairie-chickens Through Restored Fire and Grazing Processes	A. Steffen: ArcBurn: Measuring and Managing Fire Vulnerability of Southwestern Cultural Landscapes	T. Schiks: Fuel Moisture and Fire Bheaviour in Masticated Fuels of Canada's Boreal Forest	M. Finney: Studies of Flame Spread Mechanisms in Cardboard Fuel Beds: Comparison of Wind and Slope	W. Flatley: Modeling vegetation response to future climate and fire regimes at the Grand Canyon	M. Farfán: Modeling Anthropoc Drivers as Sources of Fire Occurrence (2009-2013) at the Monach Butterfly Biosphere Reserve	Panel Discussion	D. Bragg: Wanted: Case Studies on Frequent Fire in Conifers for a Planned Book on Open Forest Ecosystems	K. Hill: Prescribed Fire in Grassland Butterfly Habitat: Targeting Weather and Fuel Conditions to Reduce Risk of Mortality and Enhance Habitat Heterogeneity
Wed	11:25	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>	<i>Lunch</i>
Wed 11/18	Session Title	SS07: <i>Fire Effects on North American Wildlife and Livestock</i> Moderator: J. Scasta	SS10: <i>Bridging gaps between fire ecology and archaeology: A millennial perspective on managing cultural-ecological landscapes</i> Moderator: R. Loehmann	SS03: <i>Effects and considerations of mastication fuels treatments: Where are we in our scientific understanding of these treatments?</i> Moderator: M. Battaglia	SS19: <i>Physical Mechanisms of Wildland Fire Spread</i> Moderator: S. McAllister	<i>Fuels Management II:</i> Moderator:	SS18: <i>The state of fire ecology in Latin America and Iberia in the 21st century: Science, management and policy perspectives</i> Moderator: C. Cortés Montaña	SS17: <i>Outcomes of JFSP-sponsored projects: Is science used?</i> Moderator: M Hunter	<i>Fire and Restoration I</i> Moderator:	SS21: <i>Fire Trek: The Next Generation</i> Moderator: T. Ingalsbee

Wed 11/18	Session Title	Case Studies Moderator:	SS10: Bridging gaps between fire ecology and archaeology: A millennial perspective on managing cultural-ecological landscapes Moderator: R. Loehmann	SS03: Effects and considerations of mastication fuels treatments: Where are we in our scientific understanding of these treatments? Moderator: M. Battaglia	SS19: Physical Mechanisms of Wildland Fire Spread Moderator: S. McAllister	Fire Ecology IX. Moderator:	SS18: The state of fire ecology in Latin America and Iberia in the 21st century: Science, management and policy perspectives Moderator: C. Cortés Montaña	SS17: Outcomes of JFSP-sponsored projects: Is science used? Moderator: M Hunter	Fire Ecology: Global Moderator:	SS21: Fire Trek: The Next Generation Moderator: T. Ingalsbee
Wed 11/18	3:05	B. Buchanan: Large-scale monitoring projects supplement fire effects research in the southern US	M. Friggens: A GIS based Model for Predicting Wildfire-caused Damages to Archaeological Sites and Artifacts	C. Rhoades: Fuel Reduction Mulching Treatments, Nitrogen Dynamics and Site Productivity in Colorado Conifer Forests	K. Saito: Fire Whirls in Wildland Fires	L. Ellsworth: Mid-succession fire effects in sagebrush-dominated ecosystems	M. Castillo: Effects of fire on morpho-functional diversity of trees in subtropical montane Forests in Western Mexico	P. Fulé: Applying Fire Ecology Research for Management at Grand Canyon	T. Bragg: Fire-return interval and mulga (Acacia aneura) regeneration in Western Australia: Implications for prescribed burning.	B. Hart: Fire in the Future, Lessons from the Past: Forest Fire Fuel Reduction Treatment Impacts on Ponderosa Pine Mycorrhizal Fungi Diversity
Wed 11/18	3:25	W. Harling: Bringing Good Fire Back to the Klamath Mountains: The Western Klamath Restoration Partnership and the Klamath River Prescribed Fire Training Exchange (TREX)	R. Kneifel: Developing Fuel Treatment Guidelines for Reducing Wildfire Damages to Cultural Resources in the American Southwest	J. Coop: Mastication Treatments in Piñon-Juniper Woodlands: Fuels, Vegetation, and Bird Responses to a No-analogue Disturbance.	R. Linn: Heterogeneous Fireline Dynamics: A Numerical Exploration of Feedbacks Involved in Coupled Fire/Atmosphere Dynamics	S. Reis: Dynamics of Fuels Accumulation in Mountain Shrub Communities at Hart Mt. National Antelope Refuge.	P. Fulé: Fire Regimes can be Conserved in Protected Areas: Examples from México	P. Robichard: Smoldering Questions: Are Better Post-fire Decisions Being Made?	E. Whitman: Past burn severity and time since fire as drivers of current burn severity	B. Miller: Innovative Strategies for Achieving Collaborative Forest Landscape Restoration Program (CFLRP) Objectives in the Southern Blue Mountains
Wed 11/18	3:45	Z. Prusak: "The Fire Team Model: Getting More Acres Burned Collaboratively"	Panel: Bridging Gaps Between Fire Ecology and Archaeology in Theory and Practice	J. McMillin: Bark Beetle Responses to Fuels Management Treatments Involving Chipping or Mastication	J. Coen: Coupled Weather-Fire Modeling of Landscape-scale Wildland Fires using Spatially Refined Satellite Remote Sensing Fire Detection Data	D. Hankins: Restoring Indigenous Prescribed Fires to California Oak Woodlands	E. Alvarado: Fire Effects on Bolivian Production Forests.	J. Chambers: A Holistic Management Approach for Addressing Invasive Annual Grass and Wildfire Threats to Sagebrush Ecosystems and Greater Sage-grouse	J. Portier: Do fire regimes differ south and north of the limit of commercial forest of Quebec, Canada?	D. O'Leary: Investigating the Spatio-temporal Relationships Between Snow Melt Timing and Wildfire Occurrence in the US Mountain West

Wed 11/18	4:05	N. Swaney: Women in Fire Training Exchange	Panel: Bridging Gaps Between Fire Ecology and Archaeology in Theory and Practice	T. Brennan: Mastication in chaparral, new ideas to chew on.	J. Picotte: Sisyphus and MTBS: Utilizing Multi-Sensor Active Fire Detections to Help MTBS Map Fires in the U.S.	C. Lauvaux: Fire history and vegetation change in a mixed severity regime Douglas-fir forest-sagebrush-grassland landscape in the northern Rocky Mountains	R. Cury: Effects of Increasing Fire Frequency on Seed Source and Early Regeneration in Southeastern Amazonia	C. Reemts: Using the Floristic Quality Index to assess long-term effects of prescribed fire and grazing on a prairie remnant	Q. Yao: Fire history in Dahurian larch forests of northeastern China	A. Masarie: A Continuous Space-time Domain Model for Fire Resource Movement
Wed 11/18	4:25	W. Hall: Fuels Treatment Effectiveness and Utilization in Suppression: A case study of the 2014 Slide Fire on the Coconino National Forest	Panel: Bridging Gaps Between Fire Ecology and Archaeology in Theory and Practice	Panel Discussion: Mastication as a fuels treatment tool: A discussion of treatment efficacy, ecological effects, and where we go from here. (J. Kreye, M. Battaglia, M. Varner, E. Knapp)	J. Coen: The King Megafire: Coupled weather-fire modeling enhanced by pre-HysPIRI imaging spectrometer and LiDAR fire and fuel products	J. Beyers: Chaparral recovery after a short-interval reburn	L. Moura: Early Dry Season Fire Behavior in Brazilian Savanna Prescribed Burnings	L. Condon: An examination of the roles of grazing and fire on the ability of biological soil crusts to maintain site resistance to <i>Bromus tectorum</i> in the Great Basin	G. Borala Liyanage: Seedling performance in the post-fire environment: effect of seed dormancy-breaking temperature thresholds on subsequent life history stages	M. Campbell: Using Lidar to Determine Firefighter Safety Zone Size in Tahoe National Forest
Wed 11/18	4:45	T. Etwell: The development of a prescribed burn plan for a threatened fescue grassland community in a Urban Park.		Wrap-up meeting	R. Parsons: Exploratory analysis of interactions of patchy/clumpy fuel configurations on fire behavior with a physics-based fire model	R. Innes: Finding information on fire effects and fire regimes		C. Bowman-Prideaux: Adding Fuel to the Fire: The Contribution of Perennial Bunchgrasses in Altering Fire Regimes in the Great Basin	A. Flanagan-Moodie: Prescribed burning decreases den site habitat for a small mammal in a dry Australian forest	D. DellaSala: Ecological importance of mixed-severity fires: nature's phoenix
Wed Thur	6:30	Banquet: Speaker Mary Huffman								
		THURSDAY			THURSDAY			THURSDAY		
Thur 11/19	Session Title	SS02: Keeping Fire on Our Side: Manging Fire to Meet Political, Social, and Ecological Imperatives Moderator: L. Kurth	SS09: Smoke Ecology Moderator: M. Lata	SS13: Post-fire Tree Mortality Causes and Patterns: Insights from Around the World Moderator: S. Hood	SS15: Changing fire regimes: ecological change as a consequence of climate warming and dynamic/novel fuel complexes Moderator: M. Turetsky	SS06: Characterizing Uncertainty in Wildland Fire: Occurrence, Decision Making, and Management Moderator: K. Riley	<i>Human Dimensions</i> Moderator:	<i>Fire Management I:</i> Moderator:	<i>Fire Ecology V:</i> Moderator:	<i>Fire Ecology IV:</i> Moderator:
Thur 11/19	8:00	E. Reinhardt: Ecological and Social Imperatives for Managing Wildfire	J. Keeley: Mechanism of Smoke Induced Seed Germination	M. Varner: Post-fire Tree Mortality: Coming to Terms with Increasing Complexity	M. Flannigan: Climate Change and Wildland Fire	K. Riley: An Uncertainty Analysis of Wildfire Modeling	M. Anderson: The Shortleaf Pine Initiative: Developing an Institutionalized Framework to Restore an Imperiled Ecosystem	S. Parks: Resistance to Reburn: Factors Contributing to Reduced Probability of Burning in Recently Burned Areas	S. Hamman: Maximizing benefits and minimizing risk to fire-sensitive species using prescribed fire	B. Kerns: Prescribed fire regime effects on fuel structure in an eastern Oregon ponderosa pine forest

Thur 11/19	Session Title	SS02: Keeping Fire on Our Side: Managing Fire to Meet Political, Social, and Ecological Imperatives Moderator: L. Kurth	SS09: Smoke Ecology Moderator: M. Lata	SS13: Post-fire Tree Mortality Causes and Patterns: Insights from Around the World Moderator: S. Hood	SS15: Changing fire regimes: ecological change as a consequence of climate warming and dynamic/novel fuel complexes Moderator: M. Turetsky	SS06: Characterizing Uncertainty in Wildland Fire: Occurrence, Decision Making, and Management Moderator: K. Riley	<i>Human Dimensions</i> Moderator:	<i>Fire Management II:</i> Moderator:	<i>Fire Ecology VIII.</i> Moderator:	<i>Fire Ecology VII</i> Moderator:
Thur 11/19	1:00	S. Pritchard: Past Burn Mosaics in the North Cascades Mountains and Implications for Fire Management	Panel Discussion	M. Dickenson: The Missing Link Between Fire Behavior and Tree Injury and Mortality in Wildland Fires	M. Turetsky: Current and Future Vulnerability of Northern Peatlands to Wildfire	N. Brunner: Validation of the Landsat Burned Area ECV Product for the Conterminous U.S.	S. Miller: If Our National Response to the Polio Virus Followed the Same Course of Action We are Using in Our National Response to Wildfires, Would We be Spending Billions of Dollars on the Purchase of Iron Lungs	V. Wright: The Decision to Manage Fire: Insights from Wilderness Fire Managers in the Northern Rockies	J. Miessel: How does wildfire severity affect soil organic matter composition and dynamics in southern boreal forest?	J. Park: Use of multiple iterations of prescribed fire to restore historic vegetation patterns in Banff National Park, Alberta, Canada
Thur 11/19	1:20	B. Grauel: When Ecology, Management, and Culture Align	Panel Discussion	K. Kavanagh: Effects of Heat Plumes on Tree Canopy Hydraulics	B. Benscoter: Novel Fuel Conditions Invert the Fire Regime across Low-Latitude Peatlands	T. Hawbaker: Automated Mapping of Burned Areas in Landsat Imagery: Tracking Spatial and Temporal Patterns of Burned Areas in the Southwestern United States	P. Alexandre: Factors related to building loss due to wildfires in select ecoregions in the conterminous United States	C. Hoffman: Restoration and fire behavior in ponderosa pine dominated forests of the southern Rocky Mountains	L. Bourgeau-Chavez: Vulnerability of North American Boreal Peatlands to Interactions between Climate, Hydrology, and Wildland Fires	A. Merchel: Partnering Fire History and Forest Development Research with Collaborative Restoration in Central Oregon
Thur 11/19	1:40	S. Stonum: Case Study - Deerhead and Jackalope Fires, Saguaro National Park	<i>Fire Management Modelling II:</i> Moderator TBA. B. Kramp: Protection by Detection: How Early Wildfire Detection Technology Reduces Economic, Natural and Human Devastation	P. van Mantgem: Prescribed Fire Promotes Resistance to Drought in Ponderosa Pine Forests of the Sierra Nevada, California	N. Prat-Guitart: Effect of Peat Moisture Content and Bulk Density on the Self-sustained Horizontal Propagation of Smouldering Fires	M. Thomas-Van Gundy: Examining landscape control of fire severity in the central Appalachians	C. Monzan-Alvarado: Agricultural fire use in the tropics: burn outcomes, climate change and socio-ecological vulnerability	C. Maginel: Landscape-scale prescribed fire effects on Ozark ground flora communities	E. Berryman: How does post-fire mulching affect forest regeneration and soil productivity? A controlled experiment	C. Hanson: Conservation Concerns Over Post-fire Management of Mixed-Severity Fire Areas

Thur 11/19	2:00	J. Hubbard: Maximizing the Intent of Federal Policy - Managing Ecology and Protecting Values	W. Massman: A non-equilibrium model for soil heating and moisture transport during extreme surface heating	J. Kane: Post-fire Tree Mortality Model Assessment following Prescribed Burning Treatments in National Park Units of the Western U.S.	Panel Discussion	T. Brown: What is fire season and how long is it?	J. Patton: Supporting Fire Ecology through Effective Communications: LANDFIRE Lessons Learned	M. Medler: The Wildland Fire Deficit in the United States	E. Duran: Understanding Effects Of Heat Dosage On Soils From Slash Pile Burning In A Pinon-Juniper System (Pinus edulis-Juniperous monsperma)	A. Taylor: The influence of topography, weather, fuels, and management on fire severity in overlapping wildfires in the Sierra Nevada
Thur 11/19	2:20	H. Heward: Educating Fire Professionals through experiential and online education in fire ecology and management	S. Rothberg: A Revised Brown's Method: Improving Fire Behavior Modeling	S. Hood: Modeling Post-fire Mortality Under a Changing Climate: Ways to Move Forward	Panel Discussion	B. Williams: Next Generation Fire Modeling For Advanced Wildland Fire Training	V. Wright: Influences on the Use of Science by Fire Managers	C. Miller: Evaluating wind patterns and potential burn days for prescribed fires outside Bend, Oregon	V. Jurksis: How does the firestick maintain healthy and resilient ecosystems?	M. Poling: Quantifying trends in burn severity in Arizona and New Mexico forested ecosystems from 1984-2013
Thur 11/19	2:40			I. McWhorter: Prescribed Fire in Upland Island Wilderness		S. Lewis: Assessing burn severity and recovery 10 years after wildfires in western Montana	J. Jones: Rapidly Fire Adapted: A journey from risk to empowered	R. Fairbanks: Implementing Fire Permeable Landscapes in Southwest Oregon	C. Stockdale: Modeled changes in burn probability in a Canadian Rocky Mountain landscape restored to pre-European Settlement conditions	E. Dodson: Variability in natural recovery following high severity wildfire in the North Cascades, WA
Thur	3:00		<i>Break</i>	<i>Break</i>	<i>Break</i>	<i>Break</i>	<i>Break</i>	<i>Break</i>	<i>Break</i>	<i>Break</i>
Friday	3:25-5pm	Closing Plenary: Pat Brose, Scott Stephens, Marthin Kasaona								
Friday		FRIDAY					FRIDAY		FRIDAY	
Friday	all day	Field Trips								