



Schedule Overview (11-8-19)

	Salon D	Salon E	Salon F	Salon G	Salon H	Salon I	Salon J	Salon K	Salon L	
Monday, November 18: Workshops										
8:00am	Participatory GIS	R for Fire Data Basics	Fire for Non-science Professionals	FireWorks	Photoload Sampling Technique	Rapid Response Erosion Modeling	Intro Fire Behavior Modeling			
12:00pm	Lunch									
1:00pm	Participatory GIS	R for Fire Data Advanced	Fire for Non-science Professionals	Active Bystander	Fuel Treatment Analysis/STANDFIRE	Smoke Modeling	Using Drones			
5:00pm to 8:00pm	Welcome Mixer 5:00 to 6:30pm: Happy Hour Food and Drink Specials (Cascade Lounge) 6:30 to 7:00pm: Smokey Bear and Cognitive Dissonance in the 21st Century, Thomas Swetnam, Regents/Emeritus Professor, University of Arizona, Laboratory of Tree-Ring Research (Salon F)									
Tuesday, November 19										
Opening Plenary: Cultivating Pyrodiversity among People, Places, Cultures, and Ecology (Kiva Ballroom)										
8:00am	Welcome to the 2019 Fire Congress Christopher A. Dicus, President, Association for Fire Ecology									
8:10am	Welcome to the Southwest Borderlands Leon Ben, Branch Chief, Wildland Fire Management, Bureau of Indian Affairs									
8:20am	10 Years of Innovation: The JFSP Fire Science Exchange Network Andrea Thode, Professor, Northern Arizona University									
8:35am	Unconscious Bias and the Challenge of Gender and Racial Balance in Fire Work Maria Estrada, Associate Director Global Diversity, The Nature Conservancy									
9:05am	The Plain in Flames: Communities and Fire in Mexico Citlali Cortés Montaña, Sr. Sector Coordinator, Biodiversity and Forestry, KfW Development Bank									
9:35am	Working with Indigenous Communities: Fire Knowledge and Cultural Burning Systems Frank Lake, Research Ecologist, US Forest Service Pacific Southwest Research Station									
10:05am	Break									
10:30am										
10:50am	General Session	Special Session	Special Session	Special Session	Special Session	Special Session	General Session	General Session	General Session	
11:10am	Human Dimensions and Social Systems 1	Fire in the Last Frontier: 21st Century Fire Patterns, Behavior, and Pyroecology of North American Boreal Forests and Tundra	Fire Severity and Ecosystem Response	ForBio Southwest: Engineering, Economics and Ecology to Guide Forest Restoration in the Southern Rocky Mountains	Fuel and Wind as Determinants of Fire Spread: Externalities Versus Complex Feedback - When and Where?	Towards a Mechanistic Understanding of Interactions between Fire and Previous Disturbances: Recent Advances and New Surprises	Resilience & Conservation 1	Landscape-level Fire Management 1	Ecology 1	
11:30am										
11:50am										
12:10pm	Lunch (Prepurchase a Boxed Lunch by Nov 10, or On Your Own) SAFE Meeting and Student Luncheon (Free Lunch with RSVP)									
1:30pm										
1:50pm	Special Session	Special Session	Special Session	Special Session	Special Session	Special Session	General Session	General Session	General Session	2:30pm (in Rincon)
2:10pm	Cultivating Pyrodiversity Through Outreach and Education: Partnerships with Cooperative Extension	Fire in the Last Frontier: 21st Century Fire Patterns, Behavior, and Pyroecology of North American Boreal Forests and Tundra	Fire Severity and Ecosystem Response	Restor(y)ing Indigenous Fires: Modern Applications and Practices	Fuel and Wind as Determinants of Fire Spread: Externalities Versus Complex Feedback - When and Where?	Towards a Mechanistic Understanding of Interactions between Fire and Previous Disturbances: Recent Advances and New Surprises	Resilience & Conservation 2	Landscape-level Fire Management 2	Ecology 1	Searching for the Gold Spot Film Viewing
2:30pm										
2:50pm										
3:10pm	Break									
3:40pm to 5:10pm	Fire Circle	Fire Circle	Fire Circle	Fire Circle	Fire Circle	Fire Circle	Fire Circle	Fire Circle	Fire Circle	Fire Circle (in Rincon)
	Strengthening Partnerships with Cooperative Extension: Identifying Barriers and Opportunities	Fire Science Co-Production: A Roundtable Discussion on Best Practices and Lessons Learned from Multiple Disciplines	Smoke: Challenges and Opportunities for Wildland Fire	Restor(y)ing Indigenous Fires: Modern Applications and Practices	Prescribed Fire Councils of the Central and Southern Rockies		Demystifying Resilience to Wildfire	How to Use Social Media to Motivate Stakeholders	Strengthening Fire Effects Perspectives: A Role for Plant-soil Feedbacks	Filmmaking To Educate the Public about Wildfires
5:30pm to 7:00pm	Poster Session and Exhibitor Reception (Foyer and Salon B) Join us for poster presentations, networking with exhibitors, appetizers, and no-host bar									
7:00pm to 9:30pm	AFE Fire Film Festival (Kiva Ballroom) Double Feature Screening with Filmmakers - Elemental - Trip Jennings, Producer - Wilder than Wild: Fire, Forests, and the Future - Stephen Most, Writer/Producer									
Wednesday, November 20										
Plenary: Fire AFE Talks (Kiva Ballroom)										
8:00am	Welcome Back and Announcements MC: Zachary Prusak, Central Florida Conservation Program Manager and Florida Fire Manager, The Nature Conservancy									
8:05am	Counting Tomorrow's Risk: A Land Use Planning-Based Assessment of Bushfire Risk in New South Wales, Australia Laura Gannon, Principal, Meridian Urban, Australia									
8:25am	A Westside Story: New Fire Histories from Super-productive Western Oregon Douglas-fir Forests James Johnston, Research Associate, Oregon State University, USA									
8:45am	Fire-Derived Smoke and Smoke-Isolated Active Biomolecules Invigorate Growth of Diverse Plant Species: A Technological Approach Manoj G Kulkarni, Research Scientist, University of KwaZulu-Natal Pietermaritzburg, South Africa									
9:05am	Welcome to the Pyrocene Steve Pyne, Emeritus Professor, Arizona State University, USA									
9:25am	Putting the Line in the Right Place the First Time: 2018 PNW Fuels Treatment Effectiveness Dana Skelly, Regional Fuels Program Manager, US Forest Service, USA									
9:45am	Beyond the Paradigm of Moving Beyond the Paradigm: Myths of Fire Ecology Adam Watts, Associate Research Professor, Desert Research Institute, USA									
10:05am	Break									

10:30am											
10:50am	Special Session The Policy Landscape of Wildfire and Fuels Management in the United States	Special Session Fire in the Last Frontier: 21st Century Fire Patterns, Behavior, and Pyroecology of North American Boreal Forests and Tundra	General Session Burned Area Rehabilitation & Restoration 1	Special Session Fire Regimes and Species Diversity in the American Southwest and Adjacent Regions of Mexico	General Session Fire Behavior	Special Session Understanding the Use of Fire Disturbance in Ecosystem Process Modeling and Forest Change Predictions	Special Session Restoring Structure and Pattern to Frequent Fire Forests in the Western U.S.: Moving from Historical Data to Implementation and Outcomes	Special Session Manipulation of Vegetation for Livestock and Wildlife Using Prescribed Fires in Texas and North of Mexico	Special Session A Global Synthesis of Pyrodiversity and Biodiversity Relationships: Implications for Effective Fire Management		
11:10am											
11:30am											
11:50am											
12:10pm	Lunch (Prepurchase a Boxed Lunch by Nov 10, or On Your Own) AFE Membership Meeting (Free Lunch to First 25 People to RSVP)										
1:30pm											
1:50pm	General Session Human Dimensions and Social Systems 2	General Session Climate Change 1	General Session Burned Area Rehabilitation & Restoration 2	Special Session Fire Regimes and Species Diversity in the American Southwest and Adjacent Regions of Mexico	General Session Fuels Management 1	Special Session Understanding the Use of Fire Disturbance in Ecosystem Process Modeling and Forest Change Predictions	Special Session Restoring Structure and Pattern to Frequent Fire Forests in the Western U.S.: Moving from Historical Data to Implementation and Outcomes	Special Session The Evolving Wildfire Risk Governance System	Special Session A Global Synthesis of Pyrodiversity and Biodiversity Relationships: Implications for Effective Fire Management		
2:10pm											
2:30pm											
2:50pm											
3:10pm	Break										
3:40pm											
4:00pm	Special Session Bridging the Gap: Lessons from the First Ten Years of the JFSP Fire Science Exchange Network	General Session Climate Change 2	General Session Burned Area Rehabilitation & Restoration 3	Special Session Fire Regimes and Species Diversity in the American Southwest and Adjacent Regions of Mexico	General Session Fuels Management 2	Special Session Understanding the Use of Fire Disturbance in Ecosystem Process Modeling and Forest Change Predictions	Special Session Restoring Structure and Pattern to Frequent Fire Forests in the Western U.S.: Moving from Historical Data to Implementation and Outcomes	Special Session The Evolving Wildfire Risk Governance System	General Session Managing Fire for Multiple Objectives & Risk Management 1		
4:20pm											
4:40pm											
5:00pm											
6:00pm to 8:00pm	Awards Dinner (Kiva Ballroom) MC: Mark Kaib, Retired, USFWS, Southwest Region Join us for a buffet dinner and celebration of the AFE 2018 and 2019 award winners (included in registration)										

Thursday, November 21

Closing Plenary: Managing Pyrodiversity within Collaborations, Communities, and Landscapes into the Future (Kiva Ballroom)

8:00am	Welcome Back and Announcements									
8:10am	Community Adaptation to Bushfire: Moving from Regulation to Best Practice Raphaele Bianchi, Bushfire Research, CSIRO Land and Water									
8:40am	Moving Forward: Developing Diverse Fire Landscapes With An Appeal for "On-Site" Integration Of Fire Science and Management Chris Marks, Deputy Fire Management Officer, Grand Canyon National Park									
9:10am	Frontiers of Fire: Profound Impacts of Climate and Fire in Ecosystems of Alaska and the Southwestern US Rachel Loehman, Research Landscape Ecologist, US Geological Survey									
9:40am	Closing Remarks									
9:50am	Break and Performance by the Burnette Crown Dancers, White Mountain Apache Tribe (Kiva Patio)									

10:30am										
10:50am	General Session Technological Innovations	Special Session Historical and contemporary pyrodiversity in fire-prone forest ecosystems: Relevance to future climate and wildfire adaptation	Special Session Burned Area Emergency Response	General Session Fire Regimes 1	Special Session Effectiveness of Fire and Fuel Treatments to Promote Resilience to Drought	Special Session Southwest FIRECLIME: A Research Partnership Evaluating Fire-Climate Change Dynamics and Management Implications in the Southwest	Special Session The Unique Considerations for Prescribed Fire Research and Application	General Session Ecology 3	General Session Managing Fire for Multiple Objectives & Risk Management 2	
11:10am										
11:30am										
11:50am										
12:10pm	Lunch (Prepurchase a Boxed Lunch by Nov 10, or On Your Own)									
1:30pm										
1:50pm	Special Session Unmanned Aircraft in Fire Research and Management	Special Session Historical and contemporary pyrodiversity in fire-prone forest ecosystems: Relevance to future climate and wildfire adaptation	General Session Resilience & Conservation 3	General Session Fire Regimes 2	Special Session Effectiveness of Fire and Fuel Treatments to Promote Resilience to Drought	Special Session The Many Dimensions of Transboundary Wildfire	Special Session The Unique Considerations for Prescribed Fire Research and Application	General Session Ecology 4	General Session Landscape-level Fire Management 3	
2:10pm										
2:30pm										
2:50pm										
3:10pm	Break									
3:40pm										
4:00pm	General Session Wildland Urban Interface	Special Session Historical and contemporary pyrodiversity in fire-prone forest ecosystems: Relevance to future climate and wildfire adaptation	General Session Adaptive Management	General Session Fire Regimes 3	Special Session Effectiveness of Fire and Fuel Treatments to Promote Resilience to Drought	Special Session The Many Dimensions of Transboundary Wildfire	Special Session The Burning Fire Within: Local Prescribed Fire Initiatives for Landscape-Level Change	General Session Ecology 5	General Session Landscape-level Fire Management 4	
4:20pm										
4:40pm										
5:00pm										
7:30pm to 9:30pm	AFE Fire Film Festival (Kiva Ballroom) The Beauty of Blackened Spaces, with Filmmaker Rick Anderson									

Friday, November 22: Field Trips (times vary by trip)

Altar Valley
Biosphere 2
Cuenca Los Ojos, Sonora, Mexico (Overnight Trip) - FULL
Las Cienegas and Audubon Research Ranch Field Trip
Saguaro National Park - FULL
Santa Catalina Mountains
University of Arizona: Laboratory of Tree-Ring Research and Environment and Natural Resources 2 Building