# RETHINKING THE GLOBAL WILDFIRE 'PROBLEM': ARE WE FOCUSING ON THE RIGHT PROBLEMS AND RIGHT SOLUTIONS?

15TH INTERNATIONAL WILDLAND FIRE SAFETY SUMMIT AND 5TH HUMAN DIMENSIONS CONFERENCE

DECEMBER 10 - 14, 2018 ASHEVILLE, NORTH CAROLINA Presented by INTERNATIONAL ASSOCIATION OF WILDLAND FIRE

PROGRAM SCHEDULE					
Monday, December 10					
8:00 - 6:00	Registration Desk Open				
	Swannanoa	Victoria	Alexander		
	Educational and Training Workshops				
9:00-11:00		12 O'Clock High Leadership: Lessons from the Cockpits of the Greatest Generation to	Courage to Be Safe® in the Wildland		
11:00-1:00	Evaluation Methods in Fire Management: A Crash Course Eric Kennedy, Asst Professor, Disaster and Emergency Management, York University	the Fire Line John Tippett, Director, Fire Service Programs, National Fallen Firefighters Foundation	Richard Best, Everyone Goes Home® Advocate Program Manager for the National Fallen Firefighters Foundation		
1:00-2:00		Lunch (on your own)			
		Swannanoa			
2:00 -6:00	Luck Runs Out  Mark Smith, Mission-Centered Solutions				
6:00	Pre-Conference Gathering Renaissance Asheville Hotel Lobby Bar				
	1	Tuesday, December 11			
7:00-10:00 am	Exhibitor Set up (Grand Ballroom Salon A/B)				
7:30-5:30	Registration Desk Open				
	Grand Ballroom Salon C				
8:30-9:00	OPENING REMARKS/WELCOME AND IAWF AWARDS  Conference Co-Chairs  Toddi Steelman, IAWF Vice President, Stanback Dean, Nicholas School of the Environment, Duke University and Sarah McCaffrey, Research Forester, USDA Forest Service				
	The Rise of the Phoenix: Gender Equity in Wildland Fire Christine Eriksen, Australian Centre for Culture, Environment, Society and Space, School of Geography and Sustainable Communities, University of Wollongong, Australia  Gender, Race and Cultural Perspectives: Developing New Approaches to Being with Fire This panel will explore how/why inclusion of more diverse perspectives on fire, whether due to gender or race or cultural background, is critical for developing new perspectives of the problem and new approaches that will lead to better outcomes.  Featuring:  Christine Eriksen, University of Wollongong, Australia Mary Huffman, Indigenous Peoples Burning Network and Fire Science Don Hankins, California State University, Chico Department of Geography and Planning				
9:00-10:30					
10:30-11:00	NETWORKING BREAK with Exhibitors (Grand Ballroom Salon A/B)				

# Tuesday, December 11 continued...

	CONCURRENT SESSIONS (rooms on the 2nd level)  Swannanoa Victoria Alexander				
	Swannanoa	Alexander			
	Moderator: Matthew P. Thompson	Moderator: Tony Jarrett	Moderator: Travis Paveligio		
	Firefighter Decision Making	Community Mitigation	WUI		
11:00-11:20	Managing Teams More Effectively During Large-Scale Emergencies Chris Bearman	Identifying barriers to proactive wildfire management in the wildland urban interface: community perspectives from British Columbia, Canada Sarah L. Ravensbergen	Exposure of Human Communities to Wildfire in Oregon and Washington, USA Joe H. Scott		
11:20-11:40	When Risk Becomes Routine: An Introduction to Individual Risk Desensitization Elliot Nauert	The Impact of Different Measures of Homeowner Wildfire Preparedness Claire Rapp	Managing Wildfire Risk, Precipitation, and Transportation Infrastructure Andrew Fraser		
11:40-12:00	Rethinking Mop-Up "Standards:" Challenges With Implementing New Approaches Riva Duncan	Assessing Public Health Interventions for Wildland Fire Smoke: Summary of Evidence Stasia Widerynski	Why Does Structure Loss to Wildfires Continue to Rise Despite Increasing Prevention Actions? David Shew		
12:00-12:20	Design, Implementation and Evaluation Process of an Integrated Education Intervention to Address Psychosocial Risk Factors Across a Wildland Fire Season Caleb Leduc	Themes and Patterns in the Media's Coverage of Wildfires in the United States, Canada, and Australia: 1986 – 2016 Sarah McCaffrey	Southern Appalachian Large Wildfire Risks and the Evolving Non-resident Wildland Interface Steven P Norman		
12:20-12:40	Cognitive Factors Influencing Human Decision Making for Wildland Fire Suppression Van V. Miller	Risk Communication: A summy of Lessons Learned in the Southwest and Northern Rockies Jayson Coil	Smoke and Transportation Safety: New Concepts and Tools to Predict Reduced Roadway Visibility Gary Curcio		
12:40-12:50	Red Flag Warnings—do they adequately warn the public or support resource management Tim Brown	Moving From the Why to the How for Implementing Modified Wildfire Management Strategies Stephen D. Fillmore	Anthropogenic Fire Regimes in the Blue Ridge Mountains Cynthia Fowler		
12:50-2:10	Lunch (on your own)				
		, , ,	(la)		
		NCURRENT SESSIONS (rooms on the 2nd lev	·		
	Swannanoa	NCURRENT SESSIONS (rooms on the 2nd lev Victoria	Alexander		
		NCURRENT SESSIONS (rooms on the 2nd lev	·		
	Swannanoa	NCURRENT SESSIONS (rooms on the 2nd lev Victoria	Alexander		
2:10 - 2:30	Swannanoa Moderator: Kelsy Gibos	NCURRENT SESSIONS (rooms on the 2nd lev Victoria Moderator: Sarah McCaffrey	Alexander  Moderator: Toddi Steelman		
2:10 - 2:30 2:30 - 2:50	Swannanoa  Moderator: Kelsy Gibos  Firefighter Safety  How fast can you get to the safety zone? Crowdsourcing fitness tracker data to improve travel rate estimates	NCURRENT SESSIONS (rooms on the 2nd levent victoria  Moderator: Sarah McCaffrey  Community Evacuation  Exploring Resident Understandings of the Three-Tier Evacuation Warning System for Wildfire in Central Idaho	Alexander  Moderator: Toddi Steelman  Co-Management  Evaluating the influence of local social context on the design of "pathways" for achieving Fire Adapted Communities		
	Swannanoa  Moderator: Kelsy Gibos  Firefighter Safety  How fast can you get to the safety zone? Crowdsourcing fitness tracker data to improve travel rate estimates Michael J. Campbell  Applied In-Depth Leadership and Human Factors Research to Reduce Wildland Fire Fatalities	NCURRENT SESSIONS (rooms on the 2nd levent victoria  Moderator: Sarah McCaffrey  Community Evacuation  Exploring Resident Understandings of the Three-Tier Evacuation Warning System for Wildfire in Central Idaho Catrin Edgeley  Approach to Using Human Behaviour in Fire to Inform WUI Community Evacuations	Alexander  Moderator: Toddi Steelman  Co-Management  Evaluating the influence of local social context on the design of "pathways" for achieving Fire Adapted Communities Travis Paveglio  Co-Managing for Complexity: New Tools Emerging from Complex Interjurisdictional Wildfires in 2017 and 2018 Toddi Steelman, Anne-Lise Velez, Branda Nowell, Ryan Scott, Daisy Mills and Honey Minkowicz		
2:30 - 2:50	Swannanoa  Moderator: Kelsy Gibos  Firefighter Safety  How fast can you get to the safety zone? Crowdsourcing fitness tracker data to improve travel rate estimates Michael J. Campbell  Applied In-Depth Leadership and Human Factors Research to Reduce Wildland Fire Fatalities Fred J. Schoeffler and Thomas Taylor  Diversity, Inclusion and Sector Change – an Australian national perspective Noreen Krusel  Towards a Deeper Understanding of Injury Incidence, Mechanism and Type in Ontario Wildland Firefighters over a Five-Year Period, 2011-2015 Caleb Leduc	NCURRENT SESSIONS (rooms on the 2nd levent victoria  Moderator: Sarah McCaffrey  Community Evacuation  Exploring Resident Understandings of the Three-Tier Evacuation Warning System for Wildfire in Central Idaho Catrin Edgeley  Approach to Using Human Behaviour in Fire to Inform WUI Community Evacuations Lauren Folk  Community understandings and responses to bushfire warnings Josh Whittaker	Alexander  Moderator: Toddi Steelman  Co-Management  Evaluating the influence of local social context on the design of "pathways" for achieving Fire Adapted Communities Travis Paveglio  Co-Managing for Complexity: New Tools Emerging from Complex Interjurisdictional Wildfires in 2017 and 2018 Toddi Steelman, Anne-Lise Velez, Branda Nowell, Ryan Scott, Daisy Mills and Honey Minkowicz  Risk Management Assistance Teams Tim Sexton  Discussion		

Tuesday, December 11 continued...

		Deep Dives/Pa		21
	Swannanoa	Victo		Alexander
	Deep Dive:	Panel Se		Panel Session
	Why do we still not know how to prevent firefighter entrapments?	Wildfire Preparednes Age	?s	Cognition, Complexity, and Fire: Governing in the "New Normal"
4:00-5:30	Presenters:	Moderator: 1		Network Cognition in Co-Managing
	Scott Elliott and Kelsy Gibos	Presen		Complex Incidents
		Faith Berry, Ton	ny Jarrett and	Branda Nowell, Toddi Steelman,
	We're will not focus on the standard	Lauren	Thie	Anne-lise Velez, Kate Albrecht
	analysis of the fire environment related to			
	firefighter deaths that tend to be	Children and youth o	do not need to be	Managing Multi-Functional Landscapes at
	definable instead we hope to pull apart	passive bystanders	when it comes to	the Interface of Public Forests and Private
	and address some of the human	wildfire preparatio	n and response.	Land: Exploring the Role of Cognitive
	dimensions of entrapment.			Maps at Finding Common Ground among
		Collaborative work i	in many countries	Diverse Stakeholders
	We are not researchers- just practitioners	seeks to infuse wild	fire preparedness	Eric Toman
	who probably have the same questions as	education in schools t	to embed practices	
	you we did a bit of digging into the	that will be part of solu	ution to the wildfire	Moneyball for Fire
	Wildfire Lessons Learned Center's	problem in t	he future.	Matt Thompson
	entrapment reports and came up with			
	some interesting observations that we'd	The Panel will explore	innovative practice	Conceptualizing complexity and
	like to share.	involving Elementary		trade-offs in a wildfire-prone
		students in the Un	•	social-ecological system
		Austra		Matt Hamilton
5:30-6:30	Social Re	eception with Exhibitor		
		ntary Film: Uno de los N	· · · · · · · · · · · · · · · · · · ·	
7:00 - 8:30	Documen			5) 3d1011 C
7:00	W	Afterhours Network		
	VV	ednesday, Decem		
8:00-12:30		Registration I	Desk Open	
		Grand Ballroo	om Salon C	
	Why Are We	Still Missing the Soluti	ons to Keeping Firef	ighters Safe?
	International perspectives from researchers and practitioners  Featuring:			
	Roger Strickland, Senior Instru		-	re Authority, Victoria, Australia
8:30-10:00				g Centre, Alberta, Canada
	José Luis Duce Aragüés, Senior Scientist, Fire Management, Spatial Informatics Group			
	l Ke			
		lly Close, Battalion Chie	f, Poudre Fire Author	rity
	Christopher Dunn, Research Associate,	lly Close, Battalion Chie , Dept of Forest Enginee	f, Poudre Fire Author ering, Resources and	rity Management, Oregon State University
10:00-11:00	Christopher Dunn, Research Associate,  NETWORKING BREA	lly Close, Battalion Chie , Dept of Forest Enginee K with Exhibitors and P	of, Poudre Fire Author ering, Resources and Poster Session (Grand	Management, Oregon State University Ballroom Salon A/B)
10:00-11:00	Christopher Dunn, Research Associate,  NETWORKING BREA  Fire Adapted Community Working Group:	Ily Close, Battalion Chie , Dept of Forest Enginee K with Exhibitors and P s: Initiating resident	of, Poudre Fire Author ering, Resources and Coster Session (Grand Rapidly drying f	Management, Oregon State University  Ballroom Salon A/B)  fuels in the western United States and
10:00-11:00	Christopher Dunn, Research Associate,  NETWORKING BREA	Ily Close, Battalion Chie , Dept of Forest Enginee K with Exhibitors and P s: Initiating resident	of, Poudre Fire Author ering, Resources and Coster Session (Grand Rapidly drying f	rity Management, Oregon State University I Ballroom Salon A/B)
10:00-11:00	Christopher Dunn, Research Associate,  NETWORKING BREA  Fire Adapted Community Working Group:	Ily Close, Battalion Chie , Dept of Forest Enginee K with Exhibitors and P s: Initiating resident S Beaudoin	of, Poudre Fire Author ering, Resources and Poster Session (Grand Rapidly drying f adapts	Management, Oregon State University  Ballroom Salon A/B)  fuels in the western United States and
10:00-11:00	Christopher Dunn, Research Associate,  NETWORKING BREA  Fire Adapted Community Working Group and fire district buy-in - Michael S	Ily Close, Battalion Chie , Dept of Forest Enginee K with Exhibitors and P s: Initiating resident S Beaudoin Idfire in the Williams	of, Poudre Fire Author ering, Resources and Poster Session (Grand Rapidly drying f adapta Fire Management in a	Management, Oregon State University  Ballroom Salon A/B)  Tuels in the western United States and action options -Yongqiang Liu
10:00-11:00	Christopher Dunn, Research Associate,  NETWORKING BREA  Fire Adapted Community Working Group and fire district buy-in - Michael S  Building Social-Ecological Resilience to Wi	Ily Close, Battalion Chie , Dept of Forest Enginee K with Exhibitors and P s: Initiating resident S Beaudoin Idfire in the Williams Columbia	of, Poudre Fire Author ering, Resources and Poster Session (Grand Rapidly drying f adapta Fire Management in a	Management, Oregon State University  Ballroom Salon A/B)  Tuels in the western United States and ation options -Yongqiang Liu  Natural Protected Area: Who are the Local
10:00-11:00	Christopher Dunn, Research Associate,  NETWORKING BREA  Fire Adapted Community Working Group: and fire district buy-in - Michael S  Building Social-Ecological Resilience to Wi Lake Community Forest, British	Ily Close, Battalion Chier, Dept of Forest Engineer, Dept of Forest Engineer, White Exhibitors and Post Initiating resident Sheaudoin Edifire in the Williams Columbia	of, Poudre Fire Author ering, Resources and coster Session (Grand Rapidly drying f adapts Fire Management in a Key Act H. I	Management, Oregon State University  Ballroom Salon A/B)  Tuels in the western United States and ation options -Yongqiang Liu  Natural Protected Area: Who are the Local ors and How do they Interact?
10:00-11:00	Christopher Dunn, Research Associate,  NETWORKING BREA  Fire Adapted Community Working Group, and fire district buy-in - Michael S  Building Social-Ecological Resilience to Wi Lake Community Forest, British Kelsey Copes-Gerbitz®	Illy Close, Battalion Chier, Dept of Forest Enginee  K with Exhibitors and P  S: Initiating resident  B Beaudoin  Idfire in the Williams  Columbia  Management for	ff, Poudre Fire Author ering, Resources and Poster Session (Grand Rapidly drying f adapts Fire Management in a Key Act H. I Check Your Heart: WI	Management, Oregon State University Management, Oregon State University Mallroom Salon A/B) Muels in the western United States and Mation options -Yongqiang Liu Mallroom Natural Protected Area: Who are the Local Mors and How do they Interact? Meonardo Martínez-Torres
10:00-11:00	Christopher Dunn, Research Associate,  NETWORKING BREA  Fire Adapted Community Working Group: and fire district buy-in - Michael S  Building Social-Ecological Resilience to Wi Lake Community Forest, British Kelsey Copes-Gerbitz  Long-Term Ecological Monitoring: Fire Future Forests - Julia R. Cha	Illy Close, Battalion Chies, Dept of Forest Engineer, Dept of Forest En	of, Poudre Fire Author ering, Resources and Poster Session (Grand Rapidly drying f adapta Fire Management in a Key Act H. I Check Your Heart: WI	Management, Oregon State University  Management, Oregon State University  Ballroom Salon A/B)  Juels in the western United States and ation options -Yongqiang Liu  Natural Protected Area: Who are the Local ors and How do they Interact?  Leonardo Martínez-Torres  That Can Firefighter Do to Reduce Firefighter is Statistics? - Jerry McAdams
10:00-11:00	Christopher Dunn, Research Associate,  NETWORKING BREA  Fire Adapted Community Working Group, and fire district buy-in - Michael S  Building Social-Ecological Resilience to Wi Lake Community Forest, British Kelsey Copes-Gerbitz  Long-Term Ecological Monitoring: Fire Future Forests - Julia R. Cha	Illy Close, Battalion Chier, Dept of Forest Engineer, Dept of Forest En	ff, Poudre Fire Author ering, Resources and Poster Session (Grand Rapidly drying f adapts Fire Management in a Key Act H. I Check Your Heart: WI Deaths Wildland fires across	Management, Oregon State University  Management, Oregon State University  Mallroom Salon A/B)  Juels in the western United States and action options -Yongqiang Liu  Natural Protected Area: Who are the Local ors and How do they Interact?  Leonardo Martínez-Torres  That Can Firefighter Do to Reduce Firefighter is Statistics? - Jerry McAdams  The United States: Spatio-temporal trends
	Christopher Dunn, Research Associate,  NETWORKING BREA  Fire Adapted Community Working Groups and fire district buy-in - Michael S  Building Social-Ecological Resilience to Wi Lake Community Forest, British Kelsey Copes-Gerbitz  Long-Term Ecological Monitoring: Fire Future Forests - Julia R. Cha  Moving From the Why to the How for Imp Wildfire Management Strategies - Step	Illy Close, Battalion Chier, Dept of Forest Engineer, Dept of Forest En	ff, Poudre Fire Author ering, Resources and Poster Session (Grand Rapidly drying f adapt: Fire Management in a Key Act H. I Check Your Heart: WI Deaths Wildland fires across and impa	Management, Oregon State University  Management, Oregon State University  Mallroom Salon A/B)  Juels in the western United States and action options -Yongqiang Liu  Natural Protected Area: Who are the Local ors and How do they Interact?  Leonardo Martínez-Torres  That Can Firefighter Do to Reduce Firefighter as Statistics? - Jerry McAdams  The United States: Spatio-temporal trends cts on air quality - Ryan Michael
Poster	Christopher Dunn, Research Associate,  NETWORKING BREA  Fire Adapted Community Working Groups and fire district buy-in - Michael S  Building Social-Ecological Resilience to Wi Lake Community Forest, British Kelsey Copes-Gerbitz  Long-Term Ecological Monitoring: Fire Future Forests - Julia R. Cha  Moving From the Why to the How for Imp Wildfire Management Strategies - Step  Health Symptoms and Behavior During W	Illy Close, Battalion Chier, Dept of Forest Engineer, Dept of Forest En	ff, Poudre Fire Author ering, Resources and Poster Session (Grand Rapidly drying f adapt: Fire Management in a Key Act H. I Check Your Heart: WI Death: Wildland fires across and impa	Management, Oregon State University  Ballroom Salon A/B)  Fuels in the western United States and action options -Yongqiang Liu  Natural Protected Area: Who are the Local ors and How do they Interact?  Leonardo Martínez-Torres  That Can Firefighter Do to Reduce Firefighter is Statistics? - Jerry McAdams  The United States: Spatio-temporal trends octs on air quality - Ryan Michael  Liced Extreme Wildfire Behavior: The Deadly
	Christopher Dunn, Research Associate,  NETWORKING BREA  Fire Adapted Community Working Group, and fire district buy-in - Michael S  Building Social-Ecological Resilience to Wi Lake Community Forest, British Kelsey Copes-Gerbitz  Long-Term Ecological Monitoring: Fire Future Forests - Julia R. Cha  Moving From the Why to the How for Imp Wildfire Management Strategies - Step  Health Symptoms and Behavior During W Exposure: Data from the EPA Smoke Ser	Illy Close, Battalion Chier, Dept of Forest Engineer, Dept of Forest En	ff, Poudre Fire Author ering, Resources and Poster Session (Grand Rapidly drying f adapt: Fire Management in a Key Act H. I Check Your Heart: WI Death: Wildland fires across and impa	Management, Oregon State University  Ballroom Salon A/B)  Fuels in the western United States and ation options -Yongqiang Liu  Natural Protected Area: Who are the Local ors and How do they Interact?  Leonardo Martínez-Torres  That Can Firefighter Do to Reduce Firefighter is Statistics? - Jerry McAdams  In the United States: Spatio-temporal trends on air quality - Ryan Michael  The Ced Extreme Wildfire Behavior: The Deadly ern Tennessee Fires of 2016
Poster	Christopher Dunn, Research Associate,  NETWORKING BREA  Fire Adapted Community Working Groups and fire district buy-in - Michael S  Building Social-Ecological Resilience to Wi Lake Community Forest, British Kelsey Copes-Gerbitz  Long-Term Ecological Monitoring: Fire Future Forests - Julia R. Cha  Moving From the Why to the How for Imp Wildfire Management Strategies - Step  Health Symptoms and Behavior During W	Illy Close, Battalion Chier, Dept of Forest Engineer, Dept of Forest En	ff, Poudre Fire Author ering, Resources and Poster Session (Grand Rapidly drying f adapt: Fire Management in a Key Act H. I Check Your Heart: WI Death: Wildland fires across and impa	Management, Oregon State University  Ballroom Salon A/B)  Fuels in the western United States and action options -Yongqiang Liu  Natural Protected Area: Who are the Local ors and How do they Interact?  Leonardo Martínez-Torres  That Can Firefighter Do to Reduce Firefighter is Statistics? - Jerry McAdams  The United States: Spatio-temporal trends octs on air quality - Ryan Michael  Liced Extreme Wildfire Behavior: The Deadly
Poster	Christopher Dunn, Research Associate,  NETWORKING BREA  Fire Adapted Community Working Group, and fire district buy-in - Michael S  Building Social-Ecological Resilience to Wi Lake Community Forest, British Kelsey Copes-Gerbitz  Long-Term Ecological Monitoring: Fire Future Forests - Julia R. Cha  Moving From the Why to the How for Imp Wildfire Management Strategies - Step  Health Symptoms and Behavior During W Exposure: Data from the EPA Smoke Ser	Illy Close, Battalion Chier, Dept of Forest Engineer, Dept of Forest En	f, Poudre Fire Authorering, Resources and Poster Session (Grand Rapidly drying fadapts Fire Management in a Key Act H. I Check Your Heart: Wi Deaths Wildland fires across and impa Mountain Wave Indu Easte	Management, Oregon State University  Ballroom Salon A/B)  Fuels in the western United States and ation options -Yongqiang Liu  Natural Protected Area: Who are the Local ors and How do they Interact?  Leonardo Martínez-Torres  That Can Firefighter Do to Reduce Firefighter is Statistics? - Jerry McAdams  In the United States: Spatio-temporal trends on air quality - Ryan Michael  The Ced Extreme Wildfire Behavior: The Deadly ern Tennessee Fires of 2016
Poster	Christopher Dunn, Research Associate,  NETWORKING BREA  Fire Adapted Community Working Group: and fire district buy-in - Michael S  Building Social-Ecological Resilience to Wi Lake Community Forest, British Kelsey Copes-Gerbitz  Long-Term Ecological Monitoring: Fire Future Forests - Julia R. Cha  Moving From the Why to the How for Imp Wildfire Management Strategies - Step  Health Symptoms and Behavior During W  Exposure: Data from the EPA Smoke Sei Smartphone Application - Lir	Illy Close, Battalion Chier, Dept of Forest Engineer, Dept of Forest En	ff, Poudre Fire Author ering, Resources and Poster Session (Grand Rapidly drying f adapta Fire Management in a Key Act H. I Check Your Heart: WI Deaths Wildland fires across and impa Mountain Wave Indu Easte	Management, Oregon State University  Management, Oregon State University  Mallroom Salon A/B)  Juels in the western United States and ation options -Yongqiang Liu  Natural Protected Area: Who are the Local ors and How do they Interact?  Leonardo Martínez-Torres  Lat Can Firefighter Do to Reduce Firefighter is Statistics? - Jerry McAdams  The United States: Spatio-temporal trends octs on air quality - Ryan Michael  Leced Extreme Wildfire Behavior: The Deadly irn Tennessee Fires of 2016  Steven P Norman
Poster	Christopher Dunn, Research Associate,  NETWORKING BREA  Fire Adapted Community Working Group: and fire district buy-in - Michael S  Building Social-Ecological Resilience to Wi Lake Community Forest, British Kelsey Copes-Gerbitz  Long-Term Ecological Monitoring: Fire Future Forests - Julia R. Cha  Moving From the Why to the How for Imp Wildfire Management Strategies - Step  Health Symptoms and Behavior During W Exposure: Data from the EPA Smoke Ser Smartphone Application - Lir  Prescribed Fire Management and Social Wildland-Urban Interface - Nico	Illy Close, Battalion Chier, Dept of Forest Engineer, Dept of Forest En	ff, Poudre Fire Author ering, Resources and Poster Session (Grand Rapidly drying f adapts Fire Management in a Key Act H. I Check Your Heart: WI Deaths Wildland fires across and impa Mountain Wave Indu Easte Incorporating Deep Plannin	Management, Oregon State University  Ballroom Salon A/B)  Fuels in the western United States and ation options -Yongqiang Liu  Natural Protected Area: Who are the Local ors and How do they Interact?  Leonardo Martínez-Torres  That Can Firefighter Do to Reduce Firefighter is Statistics? - Jerry McAdams  In the United States: Spatio-temporal trends on air quality - Ryan Michael  Fixed Extreme Wildfire Behavior: The Deadly ern Tennessee Fires of 2016  Steven P Norman  O Uncertainty into Wildfire Risk Reduction ag: A Framework - Sara Turner
Poster	Christopher Dunn, Research Associate,  NETWORKING BREA  Fire Adapted Community Working Group: and fire district buy-in - Michael S  Building Social-Ecological Resilience to Wi Lake Community Forest, British Kelsey Copes-Gerbitz  Long-Term Ecological Monitoring: Fire Future Forests - Julia R. Cha  Moving From the Why to the How for Imp Wildfire Management Strategies - Step  Health Symptoms and Behavior During W Exposure: Data from the EPA Smoke Ser Smartphone Application - Lir  Prescribed Fire Management and Social Wildland-Urban Interface - Nico  Environmentally Friendly Fertilizer to	Illy Close, Battalion Chier, Dept of Forest Engineer, Dept of Forest En	ff, Poudre Fire Author ering, Resources and Poster Session (Grand Rapidly drying f adapts Fire Management in a Key Act H. I Check Your Heart: WI Deaths Wildland fires across and impa Mountain Wave Indu Easte Incorporating Deep Plannin An exploratory stuce	Management, Oregon State University  Management, Oregon State University  Ballroom Salon A/B)  Fuels in the western United States and ation options -Yongqiang Liu  Natural Protected Area: Who are the Local ors and How do they Interact?  Leonardo Martínez-Torres  That Can Firefighter Do to Reduce Firefighter is Statistics? - Jerry McAdams  The United States: Spatio-temporal trends on air quality - Ryan Michael  The Ced Extreme Wildfire Behavior: The Deadly ern Tennessee Fires of 2016  Steven P Norman  O Uncertainty into Wildfire Risk Reduction ag: A Framework - Sara Turner
Poster	Christopher Dunn, Research Associate,  NETWORKING BREA  Fire Adapted Community Working Groups and fire district buy-in - Michael S  Building Social-Ecological Resilience to Wi     Lake Community Forest, British     Kelsey Copes-Gerbitz  Long-Term Ecological Monitoring: Fire     Future Forests - Julia R. Cha  Moving From the Why to the How for Imp     Wildfire Management Strategies - Step  Health Symptoms and Behavior During W     Exposure: Data from the EPA Smoke Sep     Smartphone Application - Lir  Prescribed Fire Management and Social Wildland-Urban Interface - Nico  Environmentally Friendly Fertilizer to Containment Firebreak - Robert Sep	Illy Close, Battalion Chier, Dept of Forest Engineer, Dept of Engin	ff, Poudre Fire Author ering, Resources and Poster Session (Grand Rapidly drying f adapt: Fire Management in a Key Act H. I Check Your Heart: WI Death: Wildland fires across and impact Mountain Wave Indu Easte Incorporating Deep Plannin An exploratory stud health response	Management, Oregon State University  Management, Oregon State University  Ballroom Salon A/B)  Juels in the western United States and action options -Yongqiang Liu  Natural Protected Area: Who are the Local ors and How do they Interact?  Leonardo Martínez-Torres  That Can Firefighter Do to Reduce Firefighter is Statistics? - Jerry McAdams  The United States: Spatio-temporal trends octs on air quality - Ryan Michael  Juced Extreme Wildfire Behavior: The Deadly ern Tennessee Fires of 2016  Steven P Norman  O Uncertainty into Wildfire Risk Reduction ag: A Framework - Sara Turner  By to understand the organizational publice to wildfire smoke - Mary Clare Hano
Poster	Christopher Dunn, Research Associate,  NETWORKING BREA  Fire Adapted Community Working Group, and fire district buy-in - Michael S  Building Social-Ecological Resilience to Wi Lake Community Forest, British Kelsey Copes-Gerbitz  Long-Term Ecological Monitoring: Fire Future Forests - Julia R. Cha  Moving From the Why to the How for Imp Wildfire Management Strategies - Step  Health Symptoms and Behavior During W Exposure: Data from the EPA Smoke Sep Smartphone Application - Lir  Prescribed Fire Management and Social Wildland-Urban Interface - Nico  Environmentally Friendly Fertilizer to Containment Firebreak - Robert  Tools for Addressing the Health and Safe	Illy Close, Battalion Chier, Dept of Forest Engineer, Dept of English Engl	ff, Poudre Fire Author ering, Resources and Poster Session (Grand Rapidly drying f adapt: Fire Management in a Key Act H. I Check Your Heart: WI Death: Wildland fires across and impa Mountain Wave Indu Easte Incorporating Deep Plannin An exploratory stuc health response	Management, Oregon State University  Management, Oregon State University  Ballroom Salon A/B)  Juels in the western United States and action options -Yongqiang Liu  Natural Protected Area: Who are the Local ors and How do they Interact?  Leonardo Martínez-Torres  That Can Firefighter Do to Reduce Firefighter is Statistics? - Jerry McAdams  The United States: Spatio-temporal trends octs on air quality - Ryan Michael  Juced Extreme Wildfire Behavior: The Deadly ern Tennessee Fires of 2016  Steven P Norman  O Uncertainty into Wildfire Risk Reduction og: A Framework - Sara Turner  By to understand the organizational public et to wildfire smoke - Mary Clare Hano  Pence Exchange in the Northern Rockies:
Poster	Christopher Dunn, Research Associate,  NETWORKING BREA  Fire Adapted Community Working Groups and fire district buy-in - Michael S  Building Social-Ecological Resilience to Wi     Lake Community Forest, British     Kelsey Copes-Gerbitz  Long-Term Ecological Monitoring: Fire     Future Forests - Julia R. Cha  Moving From the Why to the How for Imp     Wildfire Management Strategies - Step  Health Symptoms and Behavior During W     Exposure: Data from the EPA Smoke Sep     Smartphone Application - Lir  Prescribed Fire Management and Social Wildland-Urban Interface - Nico  Environmentally Friendly Fertilizer to Containment Firebreak - Robert Sep	Illy Close, Battalion Chier, Dept of Forest Engineer, Dept of English Engl	ff, Poudre Fire Author ering, Resources and Poster Session (Grand Rapidly drying f adapt: Fire Management in a Key Act H. I Check Your Heart: WI Death: Wildland fires across and impa Mountain Wave Indu Easte Incorporating Deep Plannin An exploratory stuc health response	Management, Oregon State University  Management, Oregon State University  Ballroom Salon A/B)  Juels in the western United States and action options -Yongqiang Liu  Natural Protected Area: Who are the Local ors and How do they Interact?  Leonardo Martínez-Torres  That Can Firefighter Do to Reduce Firefighter is Statistics? - Jerry McAdams  The United States: Spatio-temporal trends octs on air quality - Ryan Michael  Juced Extreme Wildfire Behavior: The Deadly ern Tennessee Fires of 2016  Steven P Norman  O Uncertainty into Wildfire Risk Reduction ag: A Framework - Sara Turner  By to understand the organizational publice to wildfire smoke - Mary Clare Hano
Poster	Christopher Dunn, Research Associate,  NETWORKING BREA  Fire Adapted Community Working Group, and fire district buy-in - Michael S  Building Social-Ecological Resilience to Wi Lake Community Forest, British Kelsey Copes-Gerbitz  Long-Term Ecological Monitoring: Fire Future Forests - Julia R. Cha  Moving From the Why to the How for Imp Wildfire Management Strategies - Step  Health Symptoms and Behavior During W Exposure: Data from the EPA Smoke Sep Smartphone Application - Lir  Prescribed Fire Management and Social Wildland-Urban Interface - Nico  Environmentally Friendly Fertilizer to Containment Firebreak - Robert  Tools for Addressing the Health and Safe	Illy Close, Battalion Chier, Dept of Forest Engineer, Dept of Engin	ff, Poudre Fire Author ering, Resources and Poster Session (Grand Rapidly drying f adapt: Fire Management in a Key Act H. I Check Your Heart: WI Death: Wildland fires across and impa- Mountain Wave Indu Easte Incorporating Deep Plannin An exploratory stuct health response Wildland Fire Scie Communicating I	Management, Oregon State University  Management, Oregon State University  Ballroom Salon A/B)  Juels in the western United States and action options -Yongqiang Liu  Natural Protected Area: Who are the Local ors and How do they Interact?  Leonardo Martínez-Torres  That Can Firefighter Do to Reduce Firefighter is Statistics? - Jerry McAdams  The United States: Spatio-temporal trends octs on air quality - Ryan Michael  Juced Extreme Wildfire Behavior: The Deadly ern Tennessee Fires of 2016  Steven P Norman  O Uncertainty into Wildfire Risk Reduction og: A Framework - Sara Turner  By to understand the organizational public et to wildfire smoke - Mary Clare Hano  Pence Exchange in the Northern Rockies:
Poster	Christopher Dunn, Research Associate,  NETWORKING BREA  Fire Adapted Community Working Group, and fire district buy-in - Michael Search Associal-Ecological Resilience to William Social-Ecological Resilience to William Social-Ecological Resilience to William Social-Ecological Resilience to William Search Serbitz  Long-Term Ecological Monitoring: Fire Future Forests - Julia R. Chamber Search S	Illy Close, Battalion Chier, Dept of Forest Engineer, Dept of Engin	ff, Poudre Fire Author ering, Resources and Poster Session (Grand Rapidly drying f adapt: Fire Management in a Key Act H. I Check Your Heart: WI Death: Wildland fires across and impa- Mountain Wave Indu Easte Incorporating Deep Plannin An exploratory stuct health response Wildland Fire Scie Communicating I	Management, Oregon State University  Management, Oregon State University  Ballroom Salon A/B)  Fuels in the western United States and ation options -Yongqiang Liu  Natural Protected Area: Who are the Local ors and How do they Interact?  Leonardo Martínez-Torres  That Can Firefighter Do to Reduce Firefighter is Statistics? - Jerry McAdams  In the United States: Spatio-temporal trends on air quality - Ryan Michael  The Ced Extreme Wildfire Behavior: The Deadly ern Tennessee Fires of 2016  Steven P Norman  O Uncertainty into Wildfire Risk Reduction ag: A Framework - Sara Turner  Ty to understand the organizational public et o wildfire smoke - Mary Clare Hano  Pence Exchange in the Northern Rockies:  Research to Meet Regionally Important
Poster	Christopher Dunn, Research Associate,  NETWORKING BREA  Fire Adapted Community Working Group, and fire district buy-in - Michael Sullding Social-Ecological Resilience to Wi Lake Community Forest, British Kelsey Copes-Gerbitz  Long-Term Ecological Monitoring: Fire Future Forests - Julia R. Chamber Moving From the Why to the How for Impulating Management Strategies - Step Health Symptoms and Behavior During West Exposure: Data from the EPA Smoke Sermatphone Application - Lire Prescribed Fire Management and Social Wildland-Urban Interface - Nico Environmentally Friendly Fertilizer to Containment Firebreak - Robert Tools for Addressing the Health and Safe Developed by the National Wildfire Coordin	Illy Close, Battalion Chier, Dept of Forest Engineer, Dept of Engin	ff, Poudre Fire Author ering, Resources and Poster Session (Grand Rapidly drying f adapt: Fire Management in a Key Act H. I Check Your Heart: WI Death: Wildland fires across and impa- Mountain Wave Indu Easte Incorporating Deep Plannin An exploratory stuct health response Wildland Fire Scie Communicating I	Management, Oregon State University  Management, Oregon State University  Ballroom Salon A/B)  Fuels in the western United States and ation options -Yongqiang Liu  Natural Protected Area: Who are the Local ors and How do they Interact?  Leonardo Martínez-Torres  That Can Firefighter Do to Reduce Firefighter is Statistics? - Jerry McAdams  In the United States: Spatio-temporal trends of son air quality - Ryan Michael  The Ced Extreme Wildfire Behavior: The Deadly ern Tennessee Fires of 2016  Steven P Norman  O Uncertainty into Wildfire Risk Reduction ag: A Framework - Sara Turner  Ty to understand the organizational public et o wildfire smoke - Mary Clare Hano  Pence Exchange in the Northern Rockies:  Research to Meet Regionally Important

# Wednesday, December 12 continued...

	Deep Dives/Panel Sessions				
	Swannanoa Victoria				
	Deep Dive: New technologies for accessing geospatial operations	data in wildland fire	Appalachian RC8	Panel Session: &D Fire Adapted Communities Coalition	
11:00-12:00	improving access to information by wildland fire personnel. The session will include demonstrations of the Wildfire Data (N		The Appalachian RC&D FAC Coalition consists of: Chestatee-Chattahoochee (GA), Southwestern (NC), Mountain Valleys (NC), Blue Ridge (NC), Carolina Land & Lakes (NC), and New River Highlands (VA). Join them to hear success stories and lessons learned about their partnerships and projects.		
	Presenters Nancy French, Brad Schmidt, Ezra Kissel, Reid Sawtell		Presenters Melissa Patton, Douglas Benson, Frank Riley, Jessica Hocz, Jonathan Hartsell, Lynn Sprague, Kimberly McCollum		
12:00-6:00	FIELD TRIP (lunch pr	ovided) - Meet the bus	in the parking lot in t	he front of the hotel.	
	Thursday, December 13				
8:00 - 5:30		Registration			
		Grand Ballro	oom Salon C		
8:30-10:00	Postfire Impacts and Response - Critical Gaps in the Wildfire Cohesive Strategy In this session the presenters will discuss the rationale to include postfire planning and response in the National Cohesive Strategy, provide observations and recommendations for change based on two case study geographies, and provide time for open dialog with the audience Featuring:  Anne Bradley, Director of Forest Conservation, The Nature Conservancy, New Mexico Field Office Alan Lawson, Southeast Region Department of Natural Resources (DNR) Katherine Rowden, Service Hydrologist, National Weather Service / NOAA Annie Schmidt, Director of Policy and Partnerships, Washington State Fire Adapted Communities Learning Network				
10:00 - 10:30	NETWORKING BREAK with Exhibitors (Grand Ballroom Salon A/B)  CONCURRENT SESSIONS (rooms on the 2nd level)				
			· · · · · · · · · · · · · · · · · · ·		
	СО	NCURRENT SESSIONS	(rooms on the 2nd le	vel)	
	CO Swannanoa	NCURRENT SESSIONS Victo	(rooms on the 2nd le	vel) Alexander	
10:30-10:50	СО	NCURRENT SESSIONS	(rooms on the 2nd le oria Ith Among Wildland osure Assessment, Health Risks	Alexander Community Recovery	
	Swannanoa Fire Use  Failure, Innovation, and Capacity Building for Resilient Landscapes and Fire Adapted Communities in New Mexico	NCURRENT SESSIONS  Victor  Hea  Noise Exposure A  Firefighters – Expo	(rooms on the 2nd le  oria  Ith  Among Wildland osure Assessment, Health Risks Broyles  itudy of Wildland wer Multiple Seasons: nd Update	Alexander Community Recovery  Enhancing Local Capacities for Monitoring Forest Fires: Firefighting Brigades as Citizen Scientists H. Leonardo Martínez-Torres  Community Engagement in (Crisis)	
10:30-10:50	Failure, Innovation, and Capacity Building for Resilient Landscapes and Fire Adapted Communities in New Mexico Eytan Krasilovsky  What Limits Use of Fire as a Management Tool on National Forests? Perspectives of Forest Service Line Officers	NCURRENT SESSIONS  Victo  Hea  Noise Exposure A  Firefighters – Expo  Safety and H  George  Comprehensive S  Firefighters' Health Or  Overview a	(rooms on the 2nd le  oria  Ith  Among Wildland osure Assessment, Health Risks Broyles  Study of Wildland over Multiple Seasons: and Update W. Fent  Smoke Exposure and and Cardiovascular Mortality	Alexander  Community Recovery  Enhancing Local Capacities for Monitoring Forest Fires: Firefighting Brigades as Citizen Scientists H. Leonardo Martínez-Torres  Community Engagement in (Crisis) Preparation and Recovery – an Australian Perspective Margaret Moreton  What Does Community-led Recovery Look	
10:30-10:50	Failure, Innovation, and Capacity Building for Resilient Landscapes and Fire Adapted Communities in New Mexico Eytan Krasilovsky  What Limits Use of Fire as a Management Tool on National Forests? Perspectives of Forest Service Line Officers Sarah McCaffrey  Designing Prescribed Burns: A Biocultural Design Case Study from Northwestern Ontario	NCURRENT SESSIONS  Victor  Hea  Noise Exposure A  Firefighters – Expo  Safety and H  George  Comprehensive S  Firefighters' Health O  Overview a  Kenneth  Wildland Firefighter S  Risk of Lung Cancer  Disease A	(rooms on the 2nd le  oria  Ith  Among Wildland  osure Assessment, Health Risks Broyles  Itudy of Wildland wer Multiple Seasons: nd Update W. Fent  Smoke Exposure and and Cardiovascular Mortality Navarro  ors Contributing to Health, Safety, and ng Sleep Quanity and the Fireline	Alexander Community Recovery  Enhancing Local Capacities for Monitoring Forest Fires: Firefighting Brigades as Citizen Scientists H. Leonardo Martínez-Torres  Community Engagement in (Crisis) Preparation and Recovery – an Australian Perspective Margaret Moreton  What Does Community-led Recovery Look Like? A Case Study from the Carwoola 2017 Bush Fire	
10:30-10:50	Failure, Innovation, and Capacity Building for Resilient Landscapes and Fire Adapted Communities in New Mexico Eytan Krasilovsky  What Limits Use of Fire as a Management Tool on National Forests? Perspectives of Forest Service Line Officers Sarah McCaffrey  Designing Prescribed Burns: A Biocultural Design Case Study from Northwestern Ontario Kurtis Ulrich	Noise Exposure A Firefighters – Expo Safety and H George  Comprehensive S Firefighters' Health Or Overview a Kenneth  Wildland Firefighter S Risk of Lung Cancer Disease A Kathleen  Understanding Fact Wildland Firefighter Performance: Assessi	(rooms on the 2nd le  oria  Ith  Among Wildland osure Assessment, Health Risks Broyles  Itudy of Wildland wer Multiple Seasons: nd Update W. Fent  Smoke Exposure and and Cardiovascular Mortality Navarro  ors Contributing to Health, Safety, and ng Sleep Quanity and the Fireline Brooks  ols and Information can use	Alexander Community Recovery  Enhancing Local Capacities for Monitoring Forest Fires: Firefighting Brigades as Citizen Scientists H. Leonardo Martínez-Torres  Community Engagement in (Crisis) Preparation and Recovery – an Australian Perspective Margaret Moreton  What Does Community-led Recovery Look Like? A Case Study from the Carwoola 2017 Bush Fire Zoe D'Arcy  Capacity Building Approach to Disaster Preparedness. How one community's experience through recovery has informed and influenced a community approach to preparedness	

# Thursday, December 13 continued...

	Deep Dives/Panel Sessions				
	Swannanoa	Victoria	Alexander		
	Panel Session: With Apologies to Dr. Pyne, All Fire Departments Are Not Alike!	Panel Session: Multi-Agency and Community Collaborations: Designing and Utilizing Products, Tools, and Activities to Communicate and Reduce the Risk of Exposure to Wildland Fire Smoke	Deep Dive: Crossing Boundaries of Wildfire Management in the US		
1:30-3:30	Join the National Fallen Firefighter Foundation representatives Tom Harbour, Rick Best and Tricia Sanborn to discuss this relevant and timely topic.  Two worlds apart or one world fragmented?	Health.  Update on health effects of smoke and ORD research - Wayne Cascio New Tools 2019 Wildfire Smoke: Guide for Public Health Officials and related factsheets Susan Lyon Stone CDC Online Tool for Identifying Areas and Populations Vulnerable to Wildfire Surface Smoke Ambarish Vaidyanathan CDC Framework for the Role of Public Health and Wildfires Kathryn Conlon and Kanta Sircar Communities Wildland Fire Air Quality Response Program and new tools - Pete Lahm Proactive work in Missoula MT Sarah Coefield Oregon state-wide, emergency protocol for wildfire smoke - Jamie Bash Smoke-Wise Ashland - Alison Lerch	Presenters and facilitators: Maureen Essen, Anne-Lise Velez, Annie Schmidt, Daniel R. Williams, Jesse Abrams, and Honey Minkowitz  A series of three "flash" presentations followed by a set of facilitated discussion format focusing on hearing from managers and researcher on key points related to cross-boundary wildfire management:  1. Management innovations; 2.Further descriptions on the many types of boundaries involved in wildfire management; 3. Priorities for cross-boundary work, 4. Working with "vulnerable" populations; and 5. Differences in perceptions of risk.		
3:30-4:00	NETWORK	NG BREAK with Exhibitors (Grand Ballroom	Salon A/B)		
		Deep Dives/Panels			
	Swannanoa	Victoria	Alexander		
	Panel Session: Pre-Season Planning: Science toward Informed Decision-Making in the USDA Forest Service	Panel Session: Geospatial Situational Awareness for Wildfire Mitigation, Education, Prevention and Operations	Deep Dive: The Hard Truths of Living with Fire		
	Moderator: Matthew P. Thompson	Moderator: Jerry McAdams	Moderator: Katie Lighthall		
	Life First Culture Meets Unnecessary Exposure Policy in Wildland Fire Emily Haire  Pre-Season Planning and Collaboration in High-Suppression Forests David Flores	This interactive presentation will include a panel of presenters from both Operations and Mitigation, and will discuss ways to engage agency personnel and the community with more accurate geospatial data, as opposed to anecdotal and unscientific	During this session they will be discussing a large event and go through a shared learning exercise to get at the hard truths related to implementing the Cohesive Strategy on a number of levels and what those mean in terms of actions		
4:00-5:30	Geospatial Tools for Effective Assessment and Decision Response Joe Scott  Management Science for the Changing Fire Environment	data. Presenters: Jerry McAdams, Tyre Holfeltz, Tony Piscopo	Presenter: Katie Lighthall		
	Christopher Dunn				
6:00	Afterho	ours Networking Lexington Avenue Brewer	y (LAB)		

		Friday, December 14			
8:00 - 12:00	00 Registration Desk Opens				
	Grand Ballroom Salon C				
8:30-10:00	The Essential Partnership Between Learning and Action  High-functioning research-practitioner partnerships create critical linkages between research and practice that can uniquely leverage access, skills and capacity for better outcomes. Through a guided panel discussion, we will explore partnerships in place throughout the country and illuminate opportunities for session attendees to apply these concepts to their own work. Panelists include research professionals, cooperative extension personnel, and on-the-ground wildfire adaptation practitioners from across the country.  Featuring:  Michelle Medley-Daniel, The Watershed Research and Training Center  Annie Schmidt, Washington State Fire Adapted Communities Learning Network  Sarah McCaffrey, Rocky Mountain Research Station  Forest Schaefer, Tahoe Douglas Fire District  Branda Nowell, School of Public and International Affairs - North Carolina State University  Jennifer Fawcett, North Carolina State Extension  Richard Thornton, Bushfire & Natural Hazards CRC				
10:00 - 10:30	NETWORKI	NG BREAK with Exhibitors (Grand Ballroom	n Salon A/B)		
		Deep Dives/Panel Sessions			
	Swannanoa	Victoria	Alexander		
	Panel Session: Advanced Material Fire Shelters	Panel Session: Research Nexus Panel	Deep Dive: Holistic Disaster Planning - Integrating Wildfire Protection Plans with Hazard Mitigation Plans		
10:30-1200	Developing Wildland Shelters for Improved Performance in Fire Roger Barker and John Morton-Aslanis  A Full-Scale Test of Fire Shelter Performance in Turbulent Flames John Morton-Aslanis and Roger Barker  Field Testing Protocol for Wildland Fire Shelters Joseph R. Roise	Moderator: Noreen Krusel Presenters Sarah McCaffrey, Richard Thornton, David Bruce, Stacey Frederick  Understanding the most efficient and effective way to support manager relevant science is particularly critical. Three of the largest fire research funders – the USDA Forest Service Research Branch, The Joint Fire Science Program, and the Bushfire and Natural Hazards Cooperative Research Centre – represent three different models for funding fire science research. This session will bring together discussants with experience with each of these models to provide a brief overview of the structure and its strengths and weaknesses as a starting point for a group discussion about what the most effective future support for manager relevant fire research would look like.	Presenter: Tyre Holfeltz  This session will cover the four steps of Wildland Urban Interface planning as outlined in "Planning for Wildfire in the Wildland-Urban Interface: a Resource Guide for Idaho Communities" (Miller et al., 2016), Idaho's seven standards for Wildfire Protection Plans, showcasing Idaho's agreement as a model of how to create a similar agreement between regulatory agencies, and integration howto's. Additionally, the presentation will include discussion of the hurdles Idaho has encountered with the development of these integrated plans, and will address solutions to common pitfalls in the planning process.		
12:00	Conference Adjourns - Thank you for coming and safe travels!				



### **SOCIAL ACTIVITIES**

### MONDAY - 6:00 pm

Pre-Conference Gathering Renaissance Asheville Hotel Lobby Bar

### TUESDAY - 7:00 pm Salon C

Documentary Film: Uno de los Nuestros (one of Ours) Filmmaker José Luis Duce Aragüés will be in attendace to introduce the film and answer question. Grab a drink from bar and join us for popcorn and peanut and a great film from Spain.

### TUESDAY - 7:00 pm

Afterhours Networking Packs Tavern 20 South Spruce Street Great food and drink from a large and varied menu with warm and friendly service in a lovingly restored historic building adjacent to Asheville's Pack Square Park

### THURSDAY - 6:00 pm

Afterhours Networking Lexington Avenue Brewery (LAB) 39 North Lexington Avenue Good times await in Asheville at the Lexington Avenue Brewery. Relax a while on our open-air patio. Enjoy a craft beer and an incredible meal at the 92' curving bar or a custom-built dining table. Our historic downtown Asheville building provides the perfect atmosphere.

### WEDNESDAY, 12:00 - 6:15

FIELD TRIP (lunch provided)

Meet the bus in the parking lot in the front of the hotel.

Party Rock Fire Stop: uring the fall of 2016 southern Appalachian wildfires the Party Rock fire was ignited by arson on November 5, 2016. It was one of many wildfires burning across the region. The large amount of Wildland urban interface made this fire particularly difficult to fight. Resources from across the United States were mobilized to assist. We will hear from responders involved in fighting this fire as well as the actions taken to date since the fire.

Table Rock State Park Stop: During the fall of 2016 southern Appalachian wildfires the Pinnacle Mountain fire at Table Rock State Park grew to the largest wildfire ever in the mountains of SC. The upstate of SC has an active prescribed fire program and is part of the Fire Learning Network. Multiple state, federal and NGO partners work together to manage the SC Mountains with prescribed fire. We will discuss partnerships and how we have built successful prescribed burn programs across the area.









# Appalachian RC&D Fire Adapted Communities Coalition

https://fireadaptednetwork.org/appalachian-rcdcoalition/





California Fire Science Consortium/JFSP <a href="http://www.cafiresci.org">http://www.cafiresci.org</a> <a href="http://www.firescience.gov">www.firescience.gov</a>



Consortium of Appalachian Fire Managers and Scientists http://www.appalachianfire.org/ @APfirescience





IQ FireWatch c/o IQ wireless GmbH <u>www.iq-firewatch.com</u> @IQFireWatch



International Association of Wildland Fire <a href="https://www.iawfonline.org">www.iawfonline.org</a>
@IAWF



National Fallen Firefighters
Foundation
www.FireHero.org
@NFFF\_News



National Wildfire
Coordinating Group

www.nwcg.gov

@NWCG



Northern Rockies Fire Science Network, RMRS
<a href="http://NRfirescience.org">http://NRfirescience.org</a>
@nrfirescience



Southern Fire Exchange
NCSU, Forestry and Environmental Resources
<a href="http://southernfireexchange.org/">http://southernfireexchange.org/</a>
@sefirescience



Southwest Fire Science Consortium
NAU School of Forestry
www.swfireconsortium.org
@swfirescience