

International Association of Wildland Fire  
**Rethinking the Global Wildfire Problem: Are we Focusing on the Right Problems and Right Solutions?**  
 15th International Wildland Fire Safety Summit & 5th Human Dimensions of Wildland Fire Conference  
 Renaissance Hotel Asheville, North Carolina - December 10-14, 2018

**DRAFT PROGRAM SCHEDULE (October 30, 2018)**

**Monday, December 10 +A3:G12**

<b>8:00 - 6:00</b>	<b>Registration Desk Open</b>		
	Swannanoa	Berkeley	Cherokee
	<b>Educational and Training Workshops</b>		
<b>9:00-11:00</b>		<b>2. 12 O'Clock High Leadership: Lessons from the Cockpits of the Greatest Generation to the Fire Line</b> John Tippett, Director, Fire Service Programs, National Fallen Firefighters Foundation	<b>3. Courage to Be Safe® in the Wildland</b> Richard Best, Everyone Goes Home® Advocate Program Manager for the National Fallen Firefighters Foundation
<b>11:00-1:00</b>	<b>1. Evaluation Methods in Fire Management: A Crash Course</b> Eric Kennedy, Asst Professor, Disaster and Emergency Management, York University		
<b>1:00-2:00</b>	<b>Lunch - on your own</b>		
	Swannanoa	Berkeley	Cherokee
<b>2:00 -4:00</b>	<b>4. Suicide Prevention within the Fire Service: Thinking Critically and Taking Action</b> Mary VanHaute, Coordinator/Trainer St. Petersburg College Center for Public Safety Innovation	<b>5. Luck Runs Out</b> Mark Smith, Mission-Centered Solutions	<b>6. Training That Makes a Difference... For All Firefighters</b> Richard "Rick" Mason, Training & Education Coordinator, National Fallen Firefighters Foundation
<b>4:00-6:00</b>			
<b>6:00</b>	<b>Pre-Conference Gathering</b> Renaissance Asheville Hotel - Lobby Bar		

**Tuesday, December 11**

<b>7:00-10:00 am</b>	<b>Exhibitor Set up</b>		
<b>7:30- 5:30</b>	<b>Registration Desk Open</b>		
	<b>GENERAL SESSION ROOM</b>		
<b>8:30-9:00</b>	<b>Opening Remarks and Welcome - IAWF Awards</b>		
<b>9:00-10:30</b>	<p style="text-align: center;"><b>PLENARY SESSION</b></p> <p style="text-align: center;"><b>The Rise of the Phoenix: Gender Equity in Wildland Fire</b> Dr Christine Eriksen, Australian Centre for Culture, Environment, Society and Space, School of Geography and Sustainable Communities, University of Wollongong, Australia</p> <p style="text-align: center;"><b>PANEL SESSION</b></p> <p style="text-align: center;"><b>Gender, Race and Cultural Perspectives: Developing New Approaches to Being with Fire</b> <i>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.</i> Dr 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</p>		
<b>10:30-11:00</b>	<b>BREAK with Exhibitors</b>		
	<b>CONCURRENT SESSIONS</b>		
	<b>Room One</b>	<b>Room Two</b>	<b>Room Three</b>
	<b>Moderator:</b>	<b>Moderator:</b>	<b>Moderator:</b>
	<b>Firefighter Decision Making</b>	<b>Community Mitigation</b>	<b>WUI</b>
<b>11:00-11:20</b>	Managing Teams More Effectively During Large-Scale Emergencies Chris Bearman	Engaging and Empowering Communities: Insights and Reflections from Chile and California Tracy Katelman	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	Identifying barriers to proactive wildfire management in the wildland urban interface: community perspectives from British Columbia, Canada Sarah L. Ravensbergen	Managing Wildfire Risk, Precipitation, and Transportation Infrastructure Andrew Fraser
11:40-12:00	Rethinking Mop-Up "Standards:" Challenges With Implementing New Approaches Riva Duncan	The Impact of Different Measures of Homeowner Wildfire Preparedness Claire Rapp	Why Does Structure Loss to Wildfires Continue to Rise Despite Increasing Prevention Actions? David Shew
12:00-12:20	Applied In-Depth Leadership and Human Factors Research to Reduce Wildland Fire Fatalities Fred J. Schoeffler and Thomas Taylor	Assessing Public Health Interventions for Wildfire Smoke: Summary of Evidence Stasia Widerynski	Southern Appalachian Large Wildfire Risks and the Evolving Non-resident Wildland Interface Steven P Norman
12:20-12:40	Risk Communication: A summary of Lessons Learned in the Southwest and Northern Rockies Jayson Coil	Themes and Patterns in the Media's Coverage of Wildfires in the United States, Canada, and Australia: 1986 – 2016 Sarah McCaffrey	Smoke and Transportation Safety: New Concepts and Tools to Predict Reduced Roadway Visibility Gary Curcio
12:40-2:00	<b>Lunch (on your own)</b>		
	<b>CONCURRENT SESSIONS</b>		
	<b>Room One</b>	<b>Room Two</b>	<b>Room Three</b>
	<b>Moderator:</b>	<b>Moderator:</b>	<b>Moderator:</b>
	<b>Firefighter Safety</b>	<b>Community Evacuation</b>	<b>Co-Management</b>
2:00-2:20	Cognitive Factors Influencing Human Decision Making for Wildland Fire Suppression Van V. Miller	Exploring Resident Understandings of the Three-Tier Evacuation Warning System for Wildfire in Central Idaho Catrin Edgeley	Evaluating the influence of local social context on the design of "pathways" for achieving Fire Adapted Communities Travis Paveglio
2:20-2:40	How fast can you get to the safety zone? Crowdsourcing fitness tracker data to improve travel rate estimates Michael J. Campbell	Approach to Using Human Behaviour in Fire to Inform WUI Community Evacuations Lauren Folk	Co-managing Wildfire Risk Across Property Boundaries in the Western Paige Fischer
2:40-3:00	Design, Implementation and Evaluation Process of an Integrated Education Intervention to Address Psychosocial Risk Factors Across a Wildland Fire Season Caleb Leduc	Community understandings and responses to bushfire warnings Josh Whittaker	Collaboration, Conversation, and Community-Building: Island-Style Approaches to Fire Adapted Communities Goals Elizabeth Pickett
3:00-3:20	Diversity, Inclusion and Sector Change – an Australian national perspective Noreen Krusel	Examining private property owners' expectations for wildfire suppression and perceptions of local firefighting capacity Amanda Stasiewicz	Co-Managing for Complexity: New Tools Emerging from Complex Inter-jurisdictional Wildfires in 2017 and 2018 Toddi Steelman
3:20-3:40	Towards a Deeper Understanding of Injury Incidence, Mechanism and Type in Ontario Wildland Firefighters over a Five-Year Period, 2011-2015 Caleb Leduc		Risk Management Assistance Teams Tim Sexton
3:40-4:00	<b>BREAK with Exhibitors</b>		
	<b>Deep Dives/Panels</b>		
	<b>Room One</b>	<b>Room Two</b>	<b>Room Three</b>
	<b>Deep Dive</b>	<b>Panel Session</b>	<b>Panel Session</b>
4:00-5:30	Why do we still not know how to prevent firefighter entrapments? Scott Elliott, Kelsy Gibos	Youth Education Panel Faith Berry, Michele Steinberg, Tony Jarrett, Lauren Thie	Cognition, Complexity, and Fire: Governing in the "New Normal" Branda Nowell, Eric Toman, Matt Thompson, Matt Hamilton
5:30-6:30	<b>Social Reception with Exhibitors</b>		

7:00	<b>Afterhours Networking</b>		
<b>Wednesday, December 12</b>			
8:00-12:30	<b>Registration Desk Open</b>		
<b>GENERAL SESSION ROOM</b>			
8:30-10:00	<p align="center"><b>Plenary + Panel Session</b>  <b>Why Are We Still Missing the Solutions to Keeping Firefighters Safe?</b>  International perspectives from researchers and practitioners</p> <p align="center"><b>Plenary:</b>  Michael T. DeGrosky, Chief, Fire Protection Bureau, Montana Department of Natural Resources &amp; Conservation</p> <p align="center"><b>Panelists:</b>  Roger Strickland, Country Fire Authority  Scott Elliott, Alberta Wildfire Management Branch</p>		
10:00-11:30	<b>NETWORKING BREAK with Exhibitors</b>		
<b>POSTER SESSION</b>			
	<b>Deep Dive</b>	<b>Panel Session</b>	<b>Panel Session</b>
11:30-12:30	New technologies for accessing geospatial data in wildland fire operations Nancy French, Brad Schmidt, Ezra Kissel	Appalachian RC&D Fire Adapted Communities Coalition Melissa Patton, Douglas Benson, Frank Riley, Jessica Hocz, Jonathan Hartsell, Lynn Sprague, Kimberly McCollum	Advanced Material Fire Shelters Joseph R. Roise, Roger Barker, John Morton-Aslanis, John Williams
1:00-6:00	<b>FIELD TRIP</b>		
<b>Thursday, December 13</b>			
8:00 - 5:30	<b>Registration Desk Opens</b>		
<b>GENERAL SESSION ROOM</b>			
8:30-10:00	<p align="center"><b>PLENARY SESSION + PANEL SESSION</b>  <b>Postfire Impacts and Response - Critical Gaps in the Wildfire Cohesive Strategy</b>  <b>Plenary:</b> Anne Bradley , Director of Forest Conservation, The Nature Conservancy, New Mexico Field Office</p> <p align="center"><b>Panelists:</b>  Alan Lawson, Southeast Region Dept. of Natural Resources (DNR)  Katherine Rowden, Service Hydrologist, National Weather Service / NOAA  Annie Schmidt, Washington State Fire Adapted Communities Learning Network</p>		
10:00 - 10:30	<b>BREAK with Exhibitors</b>		
<b>CONCURRENT SESSIONS</b>			
	<b>Room One</b>	<b>Room Two</b>	<b>Room Three</b>
	<b>Moderator:</b>	<b>Moderator:</b>	<b>Moderator:</b>
	<b>Fire Use</b>	<b>Health</b>	<b>Community Recovery</b>
10:30-10:50	Failure, Innovation, and Capacity Building for Resilient Landscapes and Fire Adapted Communities in New Mexico Eytan Krasilovsky	Noise Exposure Among Wildland Firefighters – Exposure Assessment, Safety and Health Risks George Broyles	Enhancing Local Capacities for Monitoring Forest Fires: Firefighting Brigades as Citizen Scientists H. Leonardo Martínez-Torres
10:50-11:10	What Limits Use of Fire as a Management Tool on National Forests? Perspectives of Forest Service Line Officers Sarah McCaffrey	Comprehensive Study of Wildland Firefighters' Health Over Multiple Seasons: Overview and Update Kenneth W. Fent	Community Engagement in (Crisis) Preparation and Recovery – an Australian Perspective Margaret Moreton
11:10-11:30	Designing Prescribed Burns: A Biocultural Design Case Study from Northwestern Ontario Kurtis Ulrich	Wildland Firefighter Smoke Exposure and Risk of Lung Cancer and Cardiovascular Disease Mortality Kathleen Navarro	What Does Community-led Recovery Look Like? A Case Study from the Carwoola 2017 Bush Fire Zoe D'Arcy
11:30-11:50	2018 National Prescribed Fire Use Survey Peter Lahm	Understanding Factors Contributing to Wildland Firefighter Health, Safety, and Performance: Assessing Sleep Quantity and Quality on the Fireline Randall Brooks	What the research on human community resilience can teach us about strategies for wildfire safety and education: A review of the literature Marlene Rebori

11:50-12:10	Increasing safety risk due to fire season shift from spring / fall to summer in Daxing'anling region, China Fengjun Zhao	Wildfire Smoke – Tools and Information People can use Susan M. O'Neill	Capacity Building Approach to Disaster Preparedness. How one community's experience through recovery has informed and influenced a community approach to preparedness Sarah U'Brien
12:10-1:30	<b>Lunch (on your own)</b>		
	<b>Deep Dives/Panels</b>		
	<b>Room One</b>	<b>Room Two</b>	<b>Room Three</b>
	<b>Panel Session</b>	<b>Panel Session</b>	<b>Deep Dive</b>
1:30-3:30	With Apologies to Dr. Pyne, All Fire Departments Are Not Alike! Tom Harbour, Rick Best, Rick Mason, Tricia Sanborn	Multi-Agency and Community Collaborations: Designing and Utilizing Products, Tools, and Activities to Communicate and Reduce the Risk of Exposure to Wildland Fire Smoke Kathryn Conlon, Susan Ston, Sarah Coefield, Rish Vaidyanathan, Alison Lerch, Pete Lahm, Jamie Bash	Crossing boundaries of wildfire management in the US Maureen Essen, Max Nielsen-Pincus, Daniel R. Williams, Paige Fischer, Jesse Abrams, Travis Paveglio, Anne-lise Velez
3:30-4:00	<b>BREAK with Exhibitors</b>		
	<b>Deep Dives/Panels</b>		
	<b>Room One</b>	<b>Room Two</b>	<b>Room Three</b>
	<b>Panel Session</b>	<b>Panel Session</b>	<b>Deep Dive</b>
4:00-5:30	Pre-Season Planning to Enhance Response Safety and Effectiveness: Survey Results, Decision Support, and Use Cases in the USDA Forest Service Matthew P Thompson, Emily Haire, David Flores, Joe Scott, Christopher Dunn	Geospatial Situational Awareness for Wildfire Mitigation, Education, Prevention and Operations Jerry McAdams, Tyre Holfeltz, Perry Oldenburg, Tony Piscopo	The Hard Truths of Living with Fire Katie Lighthall
6:00	<b>Afterhours Networking</b>		
<b>Friday, December 14</b>			
8:00 - 12:00	<b>Registration Desk Opens</b>		
	<b>GENERAL SESSION ROOM</b>		
8:30-10:00	<b>Panel Session</b> <b>The Essential Partnership Between Learning and Action</b> 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. <b>Panelist</b> 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 University Richard Thornton, Bushfire & Natural Hazards CRC		
10:00 - 10:30	<b>Networking Break</b>		
	<b>Deep Dives/Panels</b>		
	<b>Room One</b>	<b>Room Two</b>	<b>Room Three</b>
	<b>Deep Dive</b>	<b>Panel Session</b>	<b>Deep Dive</b>
10:30-12:00	Wildfire/Bushfire Firefighter Deaths: Exploring Difference Between U.S. and Australia Jerry McAdams	Research Nexus Panel Sarah McCaffrey, Richard Thornton, David Bruce, Stacey Frederick	Holistic Disaster Planning - Integrating Wildfire Protection Plans with Hazard Mitigation Plans Tyre Holfeltz
12:00-12:30	<b>Closing Remarks</b>		