

International Association of Wildland Fire
Managing Fire, Understanding Ourselves: Human Dimensions in Safety and Wildland Fire
13th International Wildland Fire Safety Summit & 4th Human Dimensions of Wildland Fire Conference
Boise Centre, Boise, Idaho, USA
April 20-24, 2015

PROGRAM SCHEDULE

Monday, April 20, 2015

7:00 am-8:00 pm **Conference Registration/Information Desk Open - Meadow (Boise Centre Foyer)**

WORKSHOPS

	Willows	Pines	Firs	Cottonwoods	Salmon River	Snake River
8:30 - 12:30	Assessing Residential Wildfire Hazards <i>Instructor: Pat Durland</i>	The Fire that Burns Within: Fire Service Suicide – The Reality <i>Instructor: Mary VanHaute</i>	Building Capacity to Collaborate in Natural Resources Management <i>Instructors: Susie Kocher, Kim Ingram</i>	Annual Fire Refresher – RT-130	Improving Risk Assessment through Fire Behavior Analysis <i>Instructors: Dan Mindar, Erin Noonan-Wright, Tami Parkinson, Laurie Kurth</i>	Wildland Fire Smoke Health Effects Research and Tools to Inform Public Health Policy and Recommendations <i>Instructors: Ana Rappold, Susan Stone, Pete Lahm, Wayne Cascio, Sarah Henderson, Angela Jiayun Yao, Catherine Elliott, Joseph Domitrovich, Ian Gilmour, Brian Reich, Sim Larkin, Susan O'Neill, Paul Garbe</i>

12:30-1:30 PM **Lunch - on your own**

WORKSHOPS (cont.)

	Willows	Pines	Firs	Cottonwoods	Salmon River	Merlins	Snake River
1:30 - 5:30 PM	(continued...) Assessing Residential Wildfire Hazards	(continued...) The Fire that Burns Within: Fire Service Suicide – The Reality	(continued...) Building Capacity to Collaborate in Natural Resources Management	(continued...) Annual Fire Refresher – RT-130	US National Grid (USNG) and Wildland Fire <i>Instructors: Rich McCrea, Al Studt</i>	Competency in Crisis <i>Instructor: Christophe FRERSON</i>	Stress First Aid for Firefighters and Emergency Medical Services Personnel <i>Instructors: Kim Lightley, Dr. Patricia Watson</i>

5:00-8:00 PM **Vendor Set up (Eagle - Boise Centre)**

7:00 pm **After Hours Networking - 10 Barrel Brewing Company, 826 W Bannock Street**

Tuesday, April 21, 2015

7:30 am-5:00 pm **Conference Registration/Information Desk Open - Meadow (Boise Centre Foyer)**

8:30-9:00
OPENING REMARKS AND WELCOME - Peregrines
Tom Zimmerman, IAWF President and Conference Co-Chair
Presentation of Colors: Boise Firefighters Pipes and Drums & Boise Fire Department Honor Guard

9:00 - 10:00
GENERAL SESSION - Peregrines
Disaster, Devastation, Resilience and Recovery: The Journey of Strathewen Primary School
Jane Hayward, Principal, Strathewen Primary School, Victoria, Australia

10:00 - 10:30 **NETWORKING BREAK with Exhibitors - Eagle**

	CONCURRENT SESSIONS				
	Willows	Pines	Firs	Cottonwoods	Merlins
	Measurement and Fire <i>Moderator: Toddi Steelman</i>	Risk <i>Moderator: Anne-Lise Velez</i>	New Development in Wildland Firefighting <i>Moderator: Lily Konantz</i>	Fire Adapted Communities <i>Moderator: Adam Gossell</i>	People, Climate and Landscapes <i>Moderator: Cassandra Moseley</i>
10:30-10:40	Announcements and Introductions	Announcements and Introductions	Announcements and Introductions	Announcements and Introductions	Announcements and Introductions
10:40-11:00	1. Do we have an acceptable loss in Wildland Fire? <i>Ivan Pupilidy</i>	4. Wildfire risk management in Europe: the challenge of seeing the “forest” and not the “trees” <i>Fantina Tedim</i>	8. Changing cultures/attitudes in aerial firefighting - Pre determined dispatch of aircraft <i>Wayne Rigg</i>	12. Measuring Community Adaptive Capacity and Wildfire Risk in the American West: Coupling Results from Key Informant Surveys and Biophysical Risk Analysis <i>Max Nielsen-Pincus</i>	16. Investigating the Impacts of Surface Temperature Anomalies Due to Wildfires in Northern Sub-Saharan Africa <i>Trisha Gabbert</i>
11:00-11:20	2. Network Management and Performance on Complex Fire Events <i>Branda Nowell</i>	5. Localized Risk Perception on Wildfire Hazard <i>Voravee Chakreeyarat</i>	9. Fire and Aviation Management Enterprise Geospatial Portal <i>Jill Kuenzi</i>	13. Creating a Culture of Adaptation: A Learning Network Approach to Fire Adapted Communities <i>Michelle Medley-Daniel</i>	17. How society and climate will combine to affect wildfire in the U.S. South, 2015-2060 <i>Jeffrey Prestemon</i>
11:20-11:40	3. Towards metrics of success in residential preparedness for wildfire <i>James Absher</i>	6. Fire and Fuel Management in Banff National Park; Balancing Risk and Sustainability <i>Robert Osiowy</i>	10. Military Veterans in the Wildland Fire Service – Issues, Obstacles, and Benefits <i>Alexis Lewis Waldron</i>	14. Enhancing Community Response - Utilising existing information networks during bushfires <i>Kathy Overton</i>	18. Spatial Pattern of Fire With Respect to Human Settlements in a Tropical Dry Forest Landscape <i>Narendran Kodandapani</i>
11:40-12:00	Q&A	7. Risk - Risk Tradeoffs in Wildfire Management – The Ranch Fire Case Study <i>David Calkin</i>	11. Organizational response to incidents and accidents <i>Ivan Pupilidy</i>	15. You Mean It might Burn? Embarking on Austin’s Journey to Become Fire Adapted <i>William Conrad</i>	Q&A
12:00-1:30	Lunch (On your own)				
	CONCURRENT SESSIONS				
	Willows	Pines	Firs	Cottonwoods	Merlins
	Special Session One: Indigenous People and Wildland Fire <i>Moderator: Amy Christianson</i>	Risk <i>Moderator: Hannah Brenkert-Smith</i>	Management and Governance of Wildfire <i>Moderator: Vita Wright</i>	Collaborative Approaches <i>Moderator: Tony Jarrett</i>	Different Ways of Understanding Fire <i>Moderator: Gene Rogers</i>
1:30-1:40	Announcements and Introductions	Announcements and Introductions	Announcements and Introductions	Announcements and Introductions	Announcements and Introductions
1:40-2:00	19. Wildfire evacuation experiences of a First Nations community in Alberta, Canada <i>Tara McGee</i>	23. Inducing Private Wildfire Risk Mitigation: Experimental Investigation of Measures on Adjacent Public Lands <i>Joseph Little</i>	28. Wildland Fire Governance: Strategies of Effective Suppression Firms <i>Cassandra Moseley</i>	33. Building Capacity for Wildfire Mitigation Through Collaborative Partnerships <i>Jerry McAdams/Julia Kertz-Grant/Jennifer Tomlinson</i>	38. Radio Technology Opportunities and Constraints: Using Dramaturgy as an Analytic Tool <i>Jennifer Ziegler</i>
2:00-2:20	20. In their words: how a wildfire evacuation affected residents of a Northern Alberta First Nation community <i>Kyla Mottershead</i>	24. Mitigation Behavior to Reduce Wildfire Risk: What Motivates Homeowners to Mitigate Wildfire Risk? <i>Hari Katuwal/ Tyron Venn</i>	29. Fire Manager or Market Manager? Administrative Practices for Large Fire Suppression <i>R. Patrick Bixler</i>	34. Increasing Capacity for Collaboration by Training Natural Resource Management Agencies, Scientists and Stakeholders <i>Susie Kocher</i>	39. The Storyteller's Role In Accident Investigations ~ Naturalistic Learning From Unintended Outcomes <i>Steve Holdsambeck</i>
2:20-2:40	21. Using Historical Photographs to Identify Indigenous Burning Patterns <i>Rick Arthur</i>	25. Is the whole greater than the sum of its parts? Homeowner wildfire risk mitigation and community heterogeneity <i>Hannah Brenkert-Smith</i>	30. The Influence of Incident Management Teams on Suppression Resource Use <i>Michael Hand</i>	35. Collaborative Implementation for Ecological Restoration on US Public Lands: Implications for Legal Context, Accountability and Adaptive Management <i>Sarah McCaffrey</i>	40. Australian volunteer rural fire brigades: the value of historical perspective <i>Sandra Lauer</i>
2:40-3:00	22. Māori use of fire: traditional use of fire to guide wildfire management in New Zealand <i>E.R. (Lisa) Langer</i>	26. Potential for Disseminating SAWTI Risk Information: Understanding Information Seeking and Wildfire Preparedness in Southern California <i>Anne-Lise Velez</i>	31. Social “Watch Out” Situations for Incident Management Teams <i>Toddi Steelman</i>	36. Fires of Change: An Art and Science Collaborative <i>Andrea Thode</i>	41. Making Every Word Count: Teaching Wildland Fire in the Brazilian Amazon <i>Matthew Carroll</i>
3:00-3:20	Q&A	27. LiDAR based risk assessment in the WUI: An analysis of pre-fire condition of the Black Forest Fire <i>Andrew Karlson</i>	32. What Cohesive Strategy Looks Like on the Ground <i>Katie Lighthall/Steven Hawkins</i>	37. Local perceptions of forest management and wildfire risk in Northeast Oregon <i>Angela Boag</i>	42. Optimal forest management: A dynamic analysis to promote healthy forests and economic development <i>Kara Walter</i>

3:20-3:50	NETWORKING BREAK with Exhibitors - Eagle				
3:50-4:50	GENERAL SESSION - Peregrines Wildfire Policy as a Socio-ecological Problem <i>Toddi Steelman, Executive Director and Professor, School of Environment and Sustainability, University of Saskatchewan</i>				
5:00-7:00 PM	Social Reception with Exhibitors - Eagle				
Wednesday, April 22, 2015					
7:30 am-5:00 pm	Conference Registration/Information Desk Open - Meadow (Boise Centre Foyer)				
8:00-8:15	WELCOME BACK AND DAILY ANNOUNCEMENTS (Peregrines) <i>Larry Sutton, US Forest Service, Conference Co-Chair</i>				
8:15-9:45	GENERAL SESSION Global Wildland Fire Perspectives Panel Session: Agency Perspectives of Firefighter Safety and Human Dimensions in Wildland Fire Management and the Emerging Importance of this Area Facilitator: Marjie Brown, Consultant, ScienceFire Communications, Inc Jim Karels, President, National Association of State Foresters (NASF) and State Forester, Florida, USA; Tom Harbour, USFS Director of Fire and Aviation Management, USA; Dick Bahr, Deputy Director Management & Programs, DOI, Office of Wildland Fire, USA; Alan Goodwin, Chief Fire Officer Department of Sustainability & Environment, Australia; Adam Gossell, FireSmart Program Coordinator, Alberta Sustainable Resource Development Edmonton, Alberta, Canada; Marc Castellnou, Fire Manager, Catalan Fire Service, President of Pau Costa Foundation, Spain				
9:45-10:15	NETWORKING BREAK with Exhibitors - Eagle				
CONCURRENT SESSIONS					
	Willows	Pines	Firs	Cottonwoods	Merlins
	Models and Methods for Safety <i>Moderator: Chuck Bushey</i>	Decision Making and Fire <i>Moderator: Rebekah Fox</i>	Evacuation and Sheltering <i>Moderator: Tony Jarrett</i>	People, Climate and Landscapes <i>Moderator:</i>	Fire Adapted Communities <i>Moderator: Toddi Steelman</i>
10:15-10:20	Announcements and Introductions	Announcements and Introductions	Announcements and Introductions	Announcements and Introductions	Announcements and Introductions
10:20-10:40	43. Suppression of forest fires by the drop water flows interspaced in time and space <i>Pavel Strizhak</i>	47. The Protective Action Decision Model: It's Application in an Australian Bushfire Context <i>Ken Strahan</i>	51. Do I stay or do I go? The role of risk tolerance in evacuation decisions during a wildfire event <i>Sarah McCaffrey</i>	54. Spatial allocation of landscape values <i>Jose Sanchez</i>	58. Developing fire adapted communities: The importance of interactions among elements of place-dependent local context <i>Travis Paveglio</i>
10:40-11:00	44. A Proposed Experimental Methodology for Assessing the Effects of Water and Dry Matter Content on Live Fuel Flammability <i>Oleg Melnik</i>	48. Connecting Science and Decision-Making in Wildland Fire Management <i>Melanie Colavito</i>	52. Sheltering practices during bushfires: lessons from the 2009 Black Saturday fires <i>Joshua Whittaker</i>	55. People's Perceptions of Post-Wildfire Landscape Recovery <i>Chad Kooistra</i>	59. Reducing Structural Losses from Wildfire: Are Regulations the Answer? <i>Cheryl Renner</i>
11:20-11:40	45. Interacting with Wildfire Simulations and Historical Wildfire Analysis <i>James Gattiker</i>	49. Power and Decision Making: A Foucaultian Analysis of Wildland Decision Making <i>Van Miller</i>	53. Establishing wildfire evacuation zones—a coupled human-environment system approach <i>Dapeng Li</i>	56. Lessons from a Legacy of Wilderness Fire: Benefits, Challenges, and Tools for Success <i>Vita Wright</i>	60. Wildfire policy after structure loss: how does regulation alter rebuilding and residential growth after wildfires? <i>Miranda Mockrin</i>
11:40-12:00	46. Wildland Firefighter Safety and Fire Behavior Prediction in the Field <i>Martin Alexander</i>	50. Nudging Wildfire Managers – Taking Advantage of Behavioral Economics in Decision Support and Performance Management <i>David Calkin</i>	Q&A	57. How effective is wildfire communication to New Zealand communities and how can it be improved? <i>E.R. (Lisa) Langer</i>	61. Fire Adapted Communities in the Real World: Community Perspectives on What Actions and Processes Are Needed for Diverse Communities to Become More Resilient to Wildfire <i>Sarah McCaffrey</i>
12:00-1:30	LUNCHEON - Hawk <i>Featuring:</i> <i>Wildland Fire Safety Award Presentation</i> <i>Presentations by National Fallen Firefighter Foundation; Wildland Firefighter Foundation and International Fire Relief Mission</i> <i>IAWF Annual Membership Meeting</i>				

1:30 -2:30	POSTER SESSION (<i>Meadows - Boise Centre Foyer</i>)									
Poster Presentations	P1. Forest Fire Safety Handbook: updating training literature for the Spanish spoken community <i>Raul Quilez</i>	P4. Gender and Leadership in Wildfire Suppression: Women Leaders on the Fireline <i>Rachel Reimer</i>	P7. Australian volunteer rural fire brigades: the value of historical perspective <i>Sandra Lauer</i>	P10. Students of Fire <i>Kelsey Gibos</i>	P13. What We Talk About When We Talk About Fire: Words, Media, and Wildfire <i>Alexandra Weill</i>	P16. Bringing the Fire Adapted Message to Ada County <i>Jerry McAdams</i>	P19. Creating a Holistic Decision-Makers Package for Wildland Fire Smoke Events in Manitoba <i>Darlene Oshanski</i>	P22. Boulder County Wildfire Partners- Home Ignition Zone, Education, Certificates, Case Studies, and iPads <i>Ryan Ludlow</i>	P25. Assessment of the Barriers to Wildland Firefighters' Fitness Training <i>Aria Mangan</i>	P28. Preliminary evaluation of factors affecting inhalation exposures among wildland firefighters <i>Tim Reinhardt</i>
	P2. Interactive 911 Program <i>Sandra Inman-Carpenter</i>	P5. The Sounds of Wildland Firefighting in Action: Communication Research Study <i>Elena Gabor</i>	P8. Fire Adapted Communities Learning Network <i>Michelle Medley-Daniel</i>	P11. Rethinking the Fire Shelter <i>Vincent Homer</i>	P14. Big questions, local answers: Awareness and preparedness of unprepared people in Idaho <i>Elise Thiel</i>	P17. Ranching with Fire: Livelihoods, Resiliency and Adaptive Capacity of Rural Idaho <i>Kyle McCormick</i>	P20. Fires of Change: An Art and Science Collaborative <i>Andrea Thode</i>	P23. First Nations Wildfire Evacuation Partnership <i>Tara McGee/Amy Christianson</i>	P26. Polycyclic Aromatic Hydrocarbon Exposure from Prescribed Fire <i>Kathleen Navarro</i>	P29. Fire and Debris Flows at the Boise Front <i>Katherine T Gibble</i>
	P3. The Role of Departments of Transportation in Wildfire Response <i>Wesley Kumfer</i>	P6. Social "Watch Out" Situations for Incident Management Teams <i>Toddi Steelman</i>	P9. Knowledge for Wildfire; improving management of UK wildfire through knowledge exchange <i>Julia McMorro</i>	P12. Fire in Southern Ecosystems <i>Adam Kent</i>	P15. Collaborative Landscape and Community-Level Wildland Fire Management Planning and Implementation within the Resort Municipality of Whistler, British Columbia, Canada <i>Nicholas Soverel</i>	P18. Enhancing Community Response-Utilising existing information networks during bushfires <i>Kathy Overton</i>	P21. We all play a part- Bushfire Ready Neighbourhoods <i>Peter Middleton</i>	P24. INSIGHT + ACTION = RESILIENCE Proven Results from Wollombi Australia <i>Glenn O'Rourke</i>	P27. Impact of a Flame Resistant Synthetic Material Base Layer on Heat Stress <i>Matthew Dorton</i>	P30. Modeling Potential Fire Behavior Changes Due to Fuel Breaks in the Monterey Ranger District, Los Padres National Forest, California <i>Stacy Drury</i>

CONCURRENT SESSIONS					
	Willows	Pines	Firs	Cotton Woods	Merlins
	Health <i>Moderator: Alan Goodwin</i>	Special Session Two: Wildfire management in coupled human and natural systems: integrating biophysical and socioeconomic information	Special Session Three: Rethinking Awareness, between firefighter safety and safety strategy	Leadership <i>Moderator: Jennifer Ziegler</i>	Resilient Responses <i>Moderator: Rebekah Fox</i>
2:30-2:35	Announcements and Introductions	Announcements and Introductions	Announcements and Introductions	Announcements and Introductions	Announcements and Introductions
2:35-2:55	62. Preliminary evaluation of factors affecting inhalation exposures among wildland firefighters <i>Tim Reinhardt</i>	68. A conceptual framework for coupling the biophysical and social dimensions of wildfire to improve fire planning and risk mitigation <i>Jeffrey D. Kline</i>	73. Rethinking Awareness, between firefighter safety and safety strategy <i>Marc Castellnou & Al Beaver</i>	74. Resonant Relational Leadership <i>David Christenson</i>	80. Building agency and community capacity for successful engagement – lessons learned from agency programs in Victoria, Australia <i>Tamara Beckett/Owen Gooding</i>
2:55-3:15	63. Adaptation of physical training and task performance to wildland firefighting in Spain. Improving firefighters wellness, capabilities and safety <i>Elena Hernandez</i>	69. The dynamics of fire-prone coupled human and natural systems (CHANS) and the emergence of wicked problems <i>Patrick Bourgeron</i>		75. Transfer of Knowledge, Skills, and Abilities from Leadership Development Training <i>Michael DeGrosky</i>	81. Climate Wise Communities: enhancing traditional wildfire risk management using a community multi-hazard resilience program in Sydney, Australia <i>Jennie Cramp</i>
3:15-3:35	64. A Review of Wildland Fire Smoke Exposure and Its Health Effects on Wildland Firefighters and the Public <i>Olorunfemi Adetona</i>	70. Impacts, trade-offs, and cross-scale connections between wildfire and ecosystem services in the Colorado Front Range <i>Jelena Vukomanovic</i>		76. The relationship of mindfulness and self-compassion to desired wildland fire leadership <i>Alexis Lewis Waldron</i>	82. Wildfire Resilience: The Development and Validation of the Bushfire Psychological Preparedness Scale (BPPS) <i>Jessica Boylan</i>
3:35-4:05	NETWORKING BREAK with Exhibitors - <i>Eagle</i>				
4:05-4:10	Announcements and Introductions	Announcements and Introductions	Announcements and Introductions	Announcements and Introductions	Announcements and Introductions
4:10-4:30	65. Assessment of the Barriers to Wildland Firefighters' Fitness Training <i>Aria Mangan</i>	71. Linking Forest Management and Fire Hazard Conditions in the Eastern Cascades Ecoregion <i>Susan Charnley</i>	Movie about Horta St. Joan accident in 2009. <i>The movie will communicate the complexity of the decisions made and the uncertainty faced by all the firefighters.</i>	77. Stockholm vs Woodstock: Risks Associated with Leadership <i>Bill Arsenaault</i>	83. Increasing Community Resiliency by Promoting the Use of Prescribed Fire in the Southeastern United States: The Fire in Southern Ecosystems Program <i>Adam Kent</i>
4:30-4:50	66. An Alternative Way to Estimate Wildfire Smoke Health Costs? A Case Study of a Southwestern US "Mega-Fire" using the Benefits Mapping and Analysis Program – Community Edition (BenMAP-CE) <i>Benjamin Jones</i>	72. Predicting WUI homeowners' fire risk mitigation behavior under different landscape management and climate scenarios <i>Christine Olsen</i>		78. Leadership, Accountability, Courage and Knowledge <i>Victor Stagnaro</i>	84. INSIGHT + ACTION = RESILIENCE Proven Results from Wollombi Australia <i>Glenn O'Rourke</i>
4:50-5:10	67. Impact of Flame Resistant Synthetic Material Base Layer on Heat Stress Factors <i>Matthew Dorton</i>	Discussion and Q&A		79. Practicing as a Student of Fire: Local actions to support global issues <i>Kelsy Gibos</i>	85. Listening for Resilience: Expert Fire Managers Share Crucial Experience <i>Rebekah Fox</i>
5:15-6:30 PM	Social Reception - <i>Eagle</i>				
6:30-7:30 PM	HOSTED WORKSHOP - Merlins COP's, Cowboys and Geeks – A Round-up for Realtime Wildfire SA Sponsored by Intterra and Sierra Nevada Corporation <i>Sign up at the Intterra Booth to reserve your space!</i>				

Thursday, April 23, 2015

7:30 am-5:00 pm	Conference Registration/Information Desk Open - Meadows (Boise Centre Foyer)				
8:00-8:30	Coffee with the IAWF Board of Directors - Meadows				
	CONCURRENT SESSIONS				
	Willows	Pines	Firs	Cottonwoods	Merlins
	Special Session Four: Comprehensive Wellbeing and Resiliency	Special Session Five: Competency in Crisis	Special Session Six: Keeping Fire on the Mountain <i>Moderators: Henry Bastian, Laurie Kurth, Frankie Romero</i>	Assessing and Mitigating Firefighter Risk <i>Moderator: Albert Simeoni</i>	Risk <i>Moderator: Chuck Bushey</i>
8:30-8:40	Announcements and Introductions	Announcements and Introductions	Announcements and Introductions	Announcements and Introductions	Announcements and Introductions
8:40-9:00	86. Comprehensive Wellbeing and Resiliency takes each participant on on a personal and introspective journey, focusing on the whole person to include physical, mental, emotional and spiritual wellbeing through an interactive and hands-on approach to life. <i>Bequi Livingston and Michelle Reugebrink</i>	87. This special session is designed to move participants to a higher level of competency in crisis management by the use of case study, facilitated dialogues and interactive exercises. <i>Commander Christophe Frerson</i>	88. How We Decide: Research on fire management decision making and risk <i>Sarah McCaffrey</i>	93. Efficient calculations of optimum paths and travel time for firefighters <i>Joaquin Ramirez</i>	99. Marrying Strategic and Tactical Risk <i>Ivan Pupilidy</i>
9:00-9:20			89. Defining the Risks and Opportunities: An Agency Administrator's Perspective <i>Chuck Mark</i>	94. A comprehensive survey of the long-term health of current federal wildland firefighters <i>Erin Semmens</i>	100. The Incident Risk Console (RisC) – A Risk Assessment Synopsis for Wildland Fires <i>Lisa Elenz</i>
9:20-9:40			90. Making the Tough, but Right Decision: Review of the 2014 Fire Season on the Kaibab National Forest <i>Art Gonzales</i>	95. Quantifying Aviation Accident Risk in Wildland Fire Suppression <i>Crystal Stonesifer</i>	101. Developing a strategic wildfire risk assessment tool for the UK rural-urban interface <i>Julia McMorro</i>
9:40-10:00			91. Decision Making for Multiple Fires, with Multiple Objectives, Across Multiple Units: A Geographic Area Fire Managers Perspective <i>Patti Koppenol</i>	96. Bald Sisters Fire <i>Brian Bishop</i>	102. Reducing the Risk of High Intensity Prescribed Fire <i>Rick Arthur</i>
10:00-10:20			92. Using wildland fire to protect, maintain, and enhance resources: A National Perspective <i>Dick Bahr</i>	97. De Soto Aviation Incident <i>Danny Bryant</i>	103. Dutch Creek Mitigation Measures: Successes & Failures <i>Bill Arsenalt</i>
10:20-10:40			Q&A	98. Human Dimensions Discussion <i>Tom Harbour</i>	104. Rethinking the Fire Shelter <i>Vincent Homer</i>
10:40-11:00	Networking Break - Eagle				
	Willows	Pines	Firs	Cottonwoods	Merlins
	Special Session Seven: Wildland Firefighter Health and Safety at MTDC	Mitigation <i>Moderator: Adam Gossell</i>	Tragedy, Death and Recovery <i>Moderator: Lily Konantz</i>	Firefighter Safety <i>Moderator: Victor Stagnaro</i>	Climate/Weather/Fire Extremes <i>Moderator: Tim Brown</i>
11:00-11:20	105. This special session will give an overview of the projects at MTDC and how they are all interconnected to improve wildland firefighter safety and health. <i>Joseph Domitrovich, Tony Petrilli and Joe Sol</i>	106. Too Late When The Wildfire Is At The Mines Gate <i>Greg Bartlett</i>	109. Wildland Fire Fighter Deaths in the United States: A Comparison of Existing Surveillance Systems <i>Corey Butler</i>	112. Assessing Firefighter Safety Zone Characteristics <i>Phillip Dennison</i>	115. Adding to fire fighter safety through modeling of thunderstorm-induced windshifts: A case study with the 30 June 2013 Yarnell Hill Fire <i>Gary Achtemeier</i>
11:20-11:40		107. We all play a part- Bushfire Ready Neighbourhoods <i>Peter Middleton</i>	110. Common Denominators on Tragedy Fires - Updated for a New Fire Environment <i>Matthew Holmstrom</i>	113. LiDAR mapping of firefighter safety zones: A comparison of flame height- and vegetation height-based guidelines <i>Michael Campbell</i>	116. Prototype Fire Weather Impact Based Performance Metric <i>Robyn Heffernan</i>
11:40-12:00		<i>Physiological Job Demands and Heat Stress</i>	108. Impact of federal fuels treatments on community firesheds in the Deschutes National Forest <i>Cody Evers</i>	111. Embracing Recovery: Establishing a Chaplaincy Service for the Wildland Fire Community <i>Matthew Carroll</i>	114. Evaluation of a Safety Zone Digital Calculator <i>Joaquin Ramirez</i>

12:00-1:30	LUNCH (On your own)				
1:30-2:30	GENERAL SESSION - Peregrines The Changing Face of Incident Management Panel Discussion Facilitator: Larry Sutton , <i>US Forest Service, Conference Co-Chair</i> Robert R. Maynes , <i>Deputy Assistant Chief Retired, Fire Department City of New York, Queens Borough Commander, FDNY IMT Incident Commander;</i> Jim Manahan , <i>Former Assistant Chief of Operations, FDNY and Current FEMA, IMT IC (NYRegion);</i> Pruett Small , <i>Training Officer, Groom Creek Fire District, Prescott, Arizona</i>				
2:45-3:00	Break /Transition to Concurrent Sessions				
	CONCURRENT SESSIONS				
	Willows	Pines	Firs	Cottonwoods	Merlins
	<i>(continued..)</i> Special Session Seven: Wildland Firefighter Health and Safety at MTDC	Mitigation Moderator: <i>Adam Gossell</i>	Fuels Management Moderator: <i>Marjie Brown</i>	Firefighter Safety Moderator: <i>Victor Stagnaro</i>	Climate/Weather/Fire Extremes Moderator: <i>Tim Brown</i>
3:00-3:05	Announcements and Introductions	Announcements and Introductions	Announcements and Introductions	Announcements and Introductions	Announcements and Introductions
3:05-3:25	<i>Fitness Standards, Nutrition and Hydration</i> <i>Fire Shelter Update</i>	116. Cost-effective fuel treatment planning <i>Jason Kreitler</i>	119. Description of Firebrand Generation in a Pine Stand Fire <i>Albert Simeoni</i>	122. Yarnell Hill Entrapment: Additional lessons that could be learned <i>Richard McCreia</i>	125. Fire Extremes and the Triangle of Climate, Fuels and People (Part 1) <i>Tamara Wall</i>
3:25-3:55		117. Left out from wildfires mitigation: Does university's population think different? <i>Thomas Wuerzer</i>	120. Fuel Treatment Research and Technology Transfer – How to Better Support Practitioners' Needs <i>Tom Zimmerman</i>	123. Distilling and disseminating new scientific understanding of wildfire fire phenomena and unfolding of large wildfires to prevent wildland firefighter entrapment <i>Janice Coen</i>	126. Fire Extremes and the Triangle of Climate, Fuels and People (Part 2) <i>Tim Brown</i>
3:55-4:15		118. Boulder County Wildfire Partners-Home Ignition Zone, Education, Certificates, Case Studies, and iPads <i>Ryan Ludlow</i>	121. Modeling Potential Fire Behavior Changes Due to Fuel Breaks in the Monterey Ranger District, Los Padres National Forest, California <i>Stacy Drury</i>	124. Listening Up, Down, and Around: Sound Studies and Wildland Firefighter Situational Awareness <i>John Widman</i>	Q&A
4:15-4:20	Break/Transition to General Session				
4:20-5:20	GENERAL SESSION - Peregrines The Doctrinal Road to Risk Management - Where We've Been, Where We Are Headed Tom Tidwell , <i>US Forest Service Chief</i>				
5:20-5:30	Conference Adjournment				
6:00 -	After Hours Networking Proto's Pizzeria Napoletana, 345 South 8th Street <i>(10% of the proceeds collected throughout the day will be donated to our fundraising efforts)</i>				
Friday, April 24, 2015					
Post Conference Tours and Field Trips					
9:00-12:00	Oregon Trail - 6 Years of Post-Fire Mitigation <i>Sponsored by Fire Adapted Community Learning Network (Meet at 9:00 am Boise Centre - Cottonwoods)</i>				
9:00-11:30	National Interagency Fire Center <i>(Meet at 8:45 am in the Boise Centre Foyer)</i>				
9:00-12:30	Boise City Tour and Botanical Gardens <i>(Meet at 8:45 am in the Boise Centre Foyer)</i>				
1:00-3:30	National Interagency Fire Center <i>(Meet at 12:45 am in the Boise Centre Foyer)</i>				