



WORKSHOP PROGRAMME – Day 1

12 March 2018

0830 – 0930 Registration & Coffee

0830 – 1445 EXHIBITION including Exhibit Showcase Presentations

The Effects of Fatigue on Pilot Performance Workshop

0900 – 1000
Bruce A. Wright, PhD, CAsP, Medical Education Division, FAA – Civil Aerospace Medical Institute, USA
 The Effects of Fatigue on Pilot Performance: Fatigue is an expected and ubiquitous aspect of life. For the average individual, fatigue presents a minor inconvenience, resolved by stopping whatever activity that brought it on. Typically, there are no significant consequences. However, if that person is involved in safety-related activities such as operating a motor vehicle, or piloting an aircraft, the consequences of fatigue can be disastrous. This presentation will review selected fatigue-related mishaps, recent findings from fatigue research, and explore fatigue management and possible fatigue countermeasures.

Considerations for Night Aerial Firefighting Workshop

1000 – 1100
David R. Toelle, Aerial Firefighting Expert & Bob Gann, Deputy Director, Colorado Center of Excellence for Advanced Technology-Aerial Firefighting / Darlene Hall, Forest Aviation Officer & Michael Norris, Captain Helitack Crew, USDA Forest Service - Angeles National Forest, USA
 In recent years a number of fire departments and agencies have started using night vision goggles to extend to allow them to attack wildfires at night and to perform difficult night rescues. As night vision technologies become more effective and versatile, night aerial firefighting operations are receiving new interest using both rotary and fixed wing assets. Currently, the Colorado Center of Excellence for Advanced Technology Aerial Firefighting (CoE) is exploring the possible of Night Aerial Firefighting Operations in Colorado. Since 2013, the US Forest Service has operated a night flying helicopter program on the Angeles National Forest. In this workshop the CoE and the USFS will collaboratively present some findings from their on-going research (CoE) and operations (USFS).

1100 – 1130 Refreshment break & networking

AFF Engine Operators Workshop

1130 – 1230
Tarek Nochahrli, Senior Marketing Account Manager & Benoit Gagnon, Customer Engineer PW123AF, Pratt & Whitney, Canada
 P&WC is a global leader in the design, manufacture and service of aircraft engines - every second, a Pratt & Whitney Canada powered aircraft takes off or lands somewhere in the world.
 P&WC is pleased to share with participants at AFF NA 2018 a status update on turboprop engines used on fixed wing firefighting platforms such as the CL415 and the AT-802F FIRE BOSS. Attendees can learn about innovations, new product/service offerings, fleet statistics, maintenance best practices and engine fleet enhancement campaigns.

1230 – 1330 Buffet Lunch & networking

Human Performance Fundamentals Workshop

1330 – 1430
Ivan Pupulidy, Director Innovation & Organizational Learning USFS, US Forest Service, USA
 Human factors often focuses on measuring and matching humans to their operating environment, This science of ergonomics is centered on this human/machine interface and tries to understand how people “fit” into tight spaces and operate equipment effectively. However, the more elusive social science of human factors questions how and why people behave the way they do. This perspective is often missed in both research and accident investigations. This presentation will explore some of the challenges and assumptions that surround human actions and why workers are not acting the way we “expect” them to.

1445 – 1500 Transport from McClellan Conference Centre to Static Display / Aerial Demonstrations

1500 – 1545 Refreshment break & networking

1500 – 1545 Static Display Walkaround with Presentations

1545 – 1615 Aerial Demonstration

1615 - 1630 Transport from Static Display / Aerial Demonstrations to McClellan Conference Centre

1630 – 1830 Drinks Reception in Exhibition Hall



CONFERENCE PROGRAMME – Day 2

13 March 2018

0830 - 0915	Registration & Coffee
0915 - 0925	Chairman's Introduction Rear Admiral Terry Loughran, CB FRAeS, Royal Navy, UK
Opening Session	
0925 - 0945	Keynote Address – New Technology Changes the Way Fires are Fought Brigadier General Dana A. Hessheimer, Director, Joint Staff – California Military Department, USA
0945 - 1000	Year Round Wildfire & the Impact on Resource Shawna A. Legarza, USDA Forest Service, Director Fire and Aviation Management, USA
1000 - 1015	Welcome Address Chief Ken Pimlott, Director, California Department of Forestry and Fire Protection (CAL FIRE), USA
1015 - 1045	Refreshment Break & Networking
1045 - 1115	Cal OES Viewpoint Chief Kim Zagaris, State Fire and Rescue Chief / FIRESCOPE Executive Director, Fire and Rescue Division, California Governor's Office of Emergency Services (Cal OES), USA
1115 - 1145	California 2017 Season Chris Schow, Pacific Southwest Deputy Director, USDA Forest Service, USA
1145 - 1200	Question & Answer Session
1200 - 1330	Buffet Lunch & Networking
Technology & Operations	
1330 - 1350	Ensuring the Structural Integrity of the Bae146 in the Firefighting Role Dan Snyder, Chief Operating Officer, Neptune Aviation & Ravi Saip, Director of USA Operations, AirSpray USA Inc., USA
1350 - 1410	The Advantages & Challenges of Amphibious Aircraft in Fire Fighting Christian Bergeron, Sales Director, Longview Aviation Asset Management / Viking Air Limited, Canada
1410 - 1430	Behind the Scenes: Supporting Aerial Firefighting Operations Eddie Goldberg, Program Manager, PHOS-CHeK, USA
1430 - 1450	With Ever Increasing Budget Conscious Political Environments, What are the Various Policies & Procurement Possibilities Available to Best Equip for Mission Readiness? Bradford Beck, President, COO, MAFFS.com, USA
1450 - 1510	Firefighter Safety: The 2 Halves of the Holy Grail are within Reach Denis Boulet, Vice President Business Development, Roy Elyakim CEO & Darby Allen, Advisor, C4 Systems
1510 - 1540	The Fort McMurray Fire Chief (retd) Darby Allen, Regional Fire Chief, Regional Municipality of Wood Buffalo, Canada
1540 - 1615	Refreshment Break & Networking
Military Aerial Firefighting Training & Operations	
1615 - 1645	MAFFS Aerial Firefighting with Military Assets & International Training Lt Colonel Bradley G Ross, USAF, Operations Officer 731 AS, US Air Force, USA
1645 - 1715	MAFFS: Training USAF Personnel in the Conduct of Civil Wildfire Response Colonel Bryan Allen, Commander, 146 th Air Expeditionary Group, Wildland Fire Fighting, Californian National Guard, USA
1715 - 1730	Question & Answer Session
1730	Chairman's Closing Remarks
1900 - 2100	Conference Dinner and International Aerial Firefighting Award Ceremony



CONFERENCE PROGRAMME – Day 3

14 March 2018

0815 – 0855	Registration & Coffee
0855 – 0900	Chairman's Introduction Rear Admiral Terry Loughran, CB FRAeS, Royal Navy, UK
0900 – 0925	CAL FIRE Recap for 2017 and Update for 2018 Dennis Brown, Chief of Flight Operations, CAL FIRE, USA
0925 – 0955	CALFIRE's Purchase of New Helicopter Fleet – the New Paradigm Barry C Lloyd, Helicopter Program Manager, CAL FIRE, USA
0955 – 1015	Refreshment Break & Networking
Panel Session – Climate Change	
1015 – 1045	Climate Change & Future Damage Limitation Dr Stephen J Pyne, Regents' Professor, School of Life Sciences, Arizona State University, USA
1045 – 1115	Where are the Lines Drawn between Permitting Forests to Burn & Delivering Public Safety? Dr Chad T. Hanson, Ph.D, Co-Founder, Director & Principal Ecologist, John Muir Project, USA
1115 – 1130	Question & Answer Session
Technology & Operational Presentations	
1130 – 1150	What is a Next Generation Airtanker? Mike Lynn, Director, Flight Operations, Aero-Flite Inc., USA
1150 – 1210	Introducing a New Generation of Large Air Tankers – The FireLiner & the Next Step in Technology in Firefighting Wayne Coulson, CEO, Coulson Aviation (USA) Inc., Canada
1210 – 1330	Buffet Lunch & Networking
1330 – 1350	Arial Firefighting – North America Paul Allen, Key Account Manager, Commercial Solutions, Insitu, USA
1350 – 1410	HyDrop™ – Around the Clock Firefighting Solution Shlomo Alkaher, Vice President, AAFF Business Development, Elbit Systems, Israel & Jason Penrod, Instructor Pilot, UH/HH-60A/L Blackhawk/Firehawk, Airline Transport Pilot, US Army, Retired, USA
International Session	
1410 – 1440	Aerial Firefighting Operations in Victoria, Australia Simon White, Air Attack Supervisor, Emergency Management Victoria, Australia
1440 – 1510	Argentina's Growing Need for Aerial Firefighting Capability Dr Daniel Russo, Undersecretary of Civil Protection Operations, Ministry of Security, Argentina
1510 – 1540	Refreshment Break & Networking
Situational Awareness and Aviation Management Tools	
1540 – 1610	UAS in Emergency Response Thomas Calvert, Battalion Chief – UAS/Drone Program Manager, Menlo Park Fire Protection District, USA
1610 – 1710	Situation Awareness & Collaboration Tool (SCOUT)™ – Next Generation Incident Command System Brian Woodbeck, Deputy Chief, Northern Operations, Fire & Rescue Division & Caroline Thomas Jacobs, Acting Chief, Headquarters Operations Branch, Response Section, Cal OES, USA
1710	Chairman's Closing Remarks

5 March 2018