



## WORKSHOP PROGRAMME – Day 1

12 March 2018

0830 – 0930 Registration & Coffee

0830 – 1445 EXHIBITION including Exhibit Showcase Presentations

Workshop – Open to all attendees

**0900 – 1000 The Effects of Fatigue on Pilot Performance**  
 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.

Workshop – Open to all attendees

**1000 – 1100 The Future of Night Vision in Aerial Applications**  
 Melissa Lineberger, Chief of Staff, Colorado Division of Fire Prevention & Control / David R. Toelle, Aerial Firefighting Specialist & Bob Gann, Colorado Center of Excellence for Advanced Technology-Aerial Firefighting / USDA Forest Service, USA

1100 – 1130 Refreshment break & networking

Workshop – Open to all attendees

**1130 – 1230 AFF Engine Operators Workshop**  
 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

Workshop – Open to all attendees

**1330 – 1430 Human Performance Fundamentals Workshop**  
 Ivan Pupilidy, 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

1010 – 1045 Refreshment Break & Networking

1045 – 1115 **Cal OES Viewpoint**  
 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**  
 Christian 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 – 1545 Refreshment Break & Networking

### Military Aerial Firefighting Training & Operations

1545 – 1615 **Aerial Firefighting Training of International Air Forces**  
 Lt Colonel Bradley G Ross, USAF, Operations Officer 731 AS, US Air Force, USA

1615 – 1645 **Colombia's Air Tanker Response – Defending the Nation**  
 Colombian Air Force, Colombia (subject to approval)

1645 – 1715 **Military MAFFS Training with Civil Wildfire Response Community**  
 Colonel Bryan Allen, Commander, 146<sup>th</sup> 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 & Chief Pilot, 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 **Area Firefighting – North America**  
 Paul Allen, Key Account Manager, Commercial Solutions, Insitu, USA

1350 – 1410 **HyDrop™ – Accurate & Safe, Around the Clock Firefighting Solution**  
 Shlomo Alkaber, AAFF Business Development, Elbit Systems, Israel

### 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 **How UAVs are being used in California for Situational Awareness Around Wildfires**  
 Menlo Park Fire District, USA (invited)

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**