



2-day Fire-fighting Foam Workshop conducted by Dr Niall Ramsden (7 – 8 May 2018)

18th IAFPA Aircraft Rescue & Fire-fighting Conference 2018 (9 – 11 May 2018)

Jointly organised by the Singapore Aviation Academy and International Aviation Fire Protection Association

2-day Fire-fighting Foam Workshop conducted by Dr Niall Ramsden

Date: 7 – 8 May 2018

Fee: S\$1,730

About the Workshop

The **2-day workshop** is designed to **enhance responders' knowledge in fire-fighting foam, with emphasis on foam development, foam systems design standards and assurance.**

Storage tank foam applications and case studies on Buncefield and Puerto Rico storage tank incidents will also be covered. This workshop includes syndicate exercises and workgroup discussions to complete the learning process.

About the Speaker

Dr Niall Ramsden combines worldwide practical experience with academic knowledge in the field of specialist Fire Hazard Management. He is the project coordinator of the LASTFIRE Project, an international industry reviewing the risks associated with storage tank fires. Dr Niall sits on the EN and NFPA (USA) Foam Systems standards committees and was a lead author for the Energy Institute's MCOSP Part 19 – Fire Precautions at Petroleum Refineries and Bulk Storage Installations. He has directed the most comprehensive large scale independently run test series of fire performance of new generation C6 fluorosurfactant and Fluorine Free foams for spill and tank fire application for more than 30 years.

18th IAFPA Aircraft Rescue and Fire-fighting Conference

Date: 9 - 11 May 2018

Fees: Industry Delegate: S\$850

Government/Military/IAFPA Member: S\$600

The International Aviation Fire Protection Association (IAFPA) Conference is **an annual event that serves as a nexus for knowledge and experience sharing for key personnel in the international Aircraft Rescue and Fire-fighting (ARFF) community.** It serves as a platform for global aviation fire chiefs, executives and industry leaders to share best practices and formulate strategies to manage the challenges posed by the fast-changing aviation landscape.

This year's theme of "**Strengthening Aviation Safety Standards**" provides a holistic review of standard-setting in ARFF training, aircraft and terminal incident management, case studies and best practices in airport emergencies. The World Civil Aviation Fire Chiefs Forum, together with a firefighting foam workshop, will be held in conjunction with the Conference.

HIGHLIGHTS

- Participate in interactive panel discussions and an open forum dialogue session on safety standards and developments with industry experts and first responders
- Learn from best practices and case studies on managing airport emergencies and incidents from airports in various regions
- Networking opportunities with leading industry personnel

WHO SHOULD ATTEND

This conference is designed exclusively for ARFF executives and airport planners from civil aviation administrations, airport authorities, airport rescue and fire-fighting services and related aviation organisations.



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PROGRAMME SCHEDULE

Programme updated as at 2 April 2018

2-day Fire-fighting Foam Workshop conducted by Dr Niall Ramsden		
Time	7 MAY 2018, MONDAY	8 MAY 2018, TUESDAY
0900	Introduction Short Overview to Foam and Foam Terminology Foam Development and how we got to the Current Critical Crossroads	Foam Systems Assurance Syndicate Exercise
10:30	Morning Tea Break	
11:00	The Cradle to Grave Foam Assurance Protocol Procurement Specifications Issues	Foam Storage and Compatibility Issues Proportioning Issues
12:30	Lunch	
13:30	Foam System Design Standards and Worked Examples Syndicate Exercise	Storage Tank Foam Application – Options and Issues
15:00	Afternoon Tea Break	
15:30	Latest Large Scale Research on New Generation Foams	Storage Tank Incidents Case Studies (Buncefield and Puerto Rico) <ul style="list-style-type: none"> • Q&A • Course Feedback
17:00	End of Day	

18 th IAFPA Aircraft Rescue & Fire-fighting Conference	
9 MAY 2018, WEDNESDAY	
14:00	Welcome Tea for World Civil Aviation Fire Chiefs (<i>by-invitation only</i>)
14:30	World Civil Aviation Fire Chiefs Forum (<i>by-invitation only</i>) <i>Chaired by Mr Gillies Crichton, Vice Chairman, IAFPA</i>
19:30	Welcome Reception
22:30	End of Day

10 MAY 2018, THURSDAY	
08:30	Registration



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09:00	Welcome Address <i>Mr Cletus Packiam, IAFPA Chairman, Singapore</i>
09:15	Keynote Address <i>Mr John Trew, Founding Chairman, IAFPA</i>
Session I: Setting the Standards	
09:30	Job Fitness Assessment for Fire-fighters <i>Dr Fabian Lim, Associate Professor, Nanyang Technological University, Singapore</i>
10:00	Coffee Break
Session II: Fire-fighting Foams – An Update on the Latest Technology Development	
10:30	C6 Foams vs. Legacy (C8) & Fluorine-Free Foams – What you need to know! <i>Dr Chang Jho, Vice President, Dynax Corporation</i>
11:00	Latest on LASTFIRE Large Scale Testing of New Generation Foams for Spill and Storage Tank Application <i>Dr Niall Ramsden, LASTFIRE coordinator, United Kingdom (UK)</i>
11:30	PFAS – “The New Bad Kid on the Block and Getting Worse” <i>Dr Jimmy Seow, Adjunct Associate Professor, Curtin University, Western Australia</i>
12:30	Lunch
13:30	Foam Experts Panel Discussion <i>Chaired by Mr Colin Murray, IAFPA Board Member</i>
15:00	Coffee Break
Session III: Case Studies of Aircraft Accidents	
15:30	Lessons Learned from MH370 and MH17 Tragedies <i>Mr Fuad Sharuji, Crisis Director, Malaysia Airlines</i>
16:00	Case Study on Emirates flight 521 <i>Mr Haydn Beynon, Chief Fire Officer and Head of Fire Services, Dubai Airport, United Arab Emirates</i>
16:30	Panel Discussion
19:30	Gala Dinner and Awards Ceremony
22:30	End of Day



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11 MAY 2018, FRIDAY	
Session IV: Command Leadership	
09:30	Leadership of the Emergency Services <i>Mr Robert Peasgood, Managing Director, Falck Fire Services UK Limited, UK</i>
10:15	ARFF and Airport Terminal Buildings Fire Emergency Management <i>Mr Olayiwola Sokoya-Olayinka, Fire Safety and HSE Consultant/Trainer, Nigeria</i>
10:45	Coffee Break
Session V: Operational Standards	
11:15	Competency-based Training Assessment <i>Mr Peter McMahon, Managing Director, Aviation Rescue Services, Australia</i>
11:55	No Airport is an Island <i>Mr Brian Day, Experienced International Civil Aviation Search and Rescue Manager, Technical Officer, Consultant and Trainer, Swinburne University of Technology, Australia</i>
12:30	Commissioning of Breathing Apparatus Simulator <i>Mr Kevin Shum, Director-General, Civil Aviation Authority of Singapore</i>
13:00	Lunch
Session VI: Life Safety Standards	
14:00	Fire Prevention and Protection of Airport Terminal Buildings <i>Sir Ken Knight, CBE QFSM, DL</i> <i>Chairman, Government Committee of Inquiry into Grenfell Tower Fire</i>
14:30	Terminal Fire Safety <i>Mr Stephen Lakin, Head of Fire Safety Improvement and Head of Health and Safety Learning and Development, Heathrow Airport, UK</i>
15:00	Coffee Break
15:30	Panel Discussion
Session VII: ARFF Open Forum Dialogue	
16:00	Advancing Airport Emergency Responses in Today's Fast Changing Airport Environment <i>Chaired by Mr Cletus Packiam, Chief, AES, Changi Airport Group</i>
17:00	Certificate Presentation and Closing Remarks <i>Mr John Trew Founding Chairman, IAFPA</i>
17:30	End of Conference



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ABOUT INTERNATIONAL AVIATION FIRE PROTECTION ASSOCIATION

IAFPA was formed in 2000 by a group of airport/municipal fire service professionals and industry specialists as a professional and fraternal association of international airport, municipal, and military fire and emergency services professionals to promote the information exchange, study, and improvement of ARFF and airport facility fire protection.

www.iafpa.org.uk

ABOUT SINGAPORE AVIATION ACADEMY

The Singapore Aviation Academy (SAA), established in 1958, is the internationally-recognised training arm of the Civil Aviation Authority of Singapore. It offers a wide range of operational and management programmes that benchmark international standards and best practices to meet the training needs of the global aviation community. SAA is an ICAO Regional Training Centre of Excellence, ICAO Aviation Security Training Centre, ICAO-endorsed Government Safety Inspector Training Centre and ICAO TRAINAIR PLUS Full Member.

www.saa.gov.sg

Visit Our Event Website: bit.ly/saaiafpa2018

