

fire NZ

2017

CONFERENCE & EXHIBITION

VERSION THREE

THE BEGINNING OF A NEW ERA

DELEGATES BROCHURE



11TH – 13TH OCTOBER 2017
ASB SHOWGROUNDS
GREENLANE, AUCKLAND

THE BEGINNING OF A NEW ERA



THE THEME

The Beginning of a New Era

The FireNZ 2017 Conference and Exhibition theme ***“The Beginning of a New Era”*** is an opportunity to look at how we do things in a fresh light and forge a better fire safe future for ourselves and the public we serve.

The new Fire and Emergency Act, the wrapping up of the MBIE working groups on Alternative Solutions, VM2 tall buildings and supported housing for example will change the ways we do things and create new opportunities.

THE PARTNERS

FPANZ

The Fire Protection Association NZ is the primary organisation which represents the fire protection industry in New Zealand.



The Association liaises closely with relevant government departments and ministries and, has strong links with other building related associations. The Association has been operating now for over 40 years, and has grown significantly by representing more and more companies and organisations that work in the fire protection industry.

Our membership base includes businesses that are involved in fire alarm manufacturing, fire alarm services, fire protection sprinkler industry, evacuation consultants, fire equipment distributors, insurance companies, fire engineers, the New Zealand Fire Service and Territorial Authorities.

IFE

The Institution of Fire Engineers New Zealand Branch is part of an international learned body which was founded in 1918 and incorporated in New Zealand in 1924 with the following main objectives:



- To promote encourage and improve the science and practice of fire engineering, fire prevention and fire extinction, and all operations and expedients connected therewith.
- To give an impulse to ideas likely to be useful in connection with, or in relation to such science and practice to the members of the Institution and community at large.

Membership of the IFE is drawn from a large cross section of the community, all with a common interest in fire engineering. Examples of organisations that members belong are NZ Fire Service, Airport Rescue Fire Service, Rural Fire Service, the Insurance Industry, the Building Industry, the Fire Protection Industry, Fire Engineering Consultants and organisations tasked with emergency incident management.

SFPE

The New Zealand Chapter of the Society of Fire Protection Engineers is the primary organisation representing the fire engineering professionals of New Zealand.



SFPE NZ is the Institution of Professional Engineers New Zealand's (IPENZ's) Technical Interest Group for matters of Fire Engineering.

The purpose of the SFPE is to advance the science and practice of fire protection engineering and its allied fields, to maintain a high ethical standard among its members, to develop fire protection engineering guidelines and standards and to foster fire protection engineering education.

In accomplishing this purpose, SFPE NZ has engaged in activities that are educational, scientific, charitable or promote the practice of fire protection engineering since 1994.

SFPE NZ members include representatives of all sectors of the fire protection industry with an interest in the development, application and promotion of scientific and engineering methods to reduce the risks of unwanted fires.

PRIMARY FIRENZ SPONSORS

We wish to acknowledge and thank all of the primary sponsors for this year's conference and exhibition. The FireNZ 2017 Conference and Exhibition is proudly brought to you by:

PLATINUM SPONSORS



PERTRONIC INDUSTRIES LTD

As the leading supplier of fire alarm systems in NZ, Pertronic Industries prides itself on its ongoing commitment to research and development, as evidenced by the company's comprehensive range of analogue addressable and conventional fire control panels and accessories.

R&D and production is based at the NZ-owned company's Lower Hutt headquarters, with a sales/support office in Auckland and branches in all Australian states.

Recent innovations such as FireMap® PC-based graphics allow fire alarm installation companies to develop and maintain this interactive fire management system directly for their clients in a cost-effective manner.

New introductions to the product range, in addition to FireMap, will be on display at the Pertronic exhibit.



WINSTONE WALLBOARDS (GIB)

Winstone Wallboards Ltd is New Zealand's largest manufacturer and marketer of gypsum plasterboard, drywall systems, associated products and services.

The company has been operating since 1927 and manufactures plasterboard systems under the GIB® brand name.

Winstone Wallboards Ltd, who have facilities in Auckland, Wellington and Christchurch, is part of the Building Products Division of Fletcher Building - a New Zealand based international company.

The GIB® brand is a New Zealand icon brand and Winstone Wallboards has a proud heritage of being a New Zealand focused and New Zealand based company.

GOLD SPONSOR

Under contract. Details to be advised.



www.fireprotection.org.nz



www.ife.org.nz



www.sfpe.org.nz

PRIMARY FIRENZ SPONSORS

We wish to acknowledge and thank all of the primary sponsors for this year's conference and exhibition. The FireNZ 2017 Conference and Exhibition is proudly brought to you by:

SILVER SPONSORS

Tasman PFV 5TH. **TASMAN PFV**

Tasman PFV has established itself as a market leader and one stop fire protection shop in the supply of pipe, fittings, valves, hanging gear, Seismic restraints, flexible droppers, hydraulics, sprinkler heads, valve set, equipment and fabrication throughout New Zealand with branches in both Auckland and Christchurch.

Tasman PFV is the New Zealand distributors for Tyco Sprinkler Heads, Grinnell G-Fire Roll Grooved products who are the global market leaders and manufacturer's in fire safety. Tasman also offers the FlexiFire Sprinkler dropper which is also a market leader and boasts the lowest Friction Loss and has FM Approval and Pending UL Listing.

Tasman PFV has their own welding fabrication workshop (Welco) and can weld and fabricate all fire sprinkler and hydrant pipe work in house for each project's requirements.

Our energetic and passionate team has extensive knowledge in all aspects of the Fire Protection industry and are committed to providing reliable, cost effective and exceptional service to our customers. Tasman's Technical Service Manager has 17 years of installation experience within the Fire Industry and will be available able to assist in resolving any installation/product issues.



VICTAULIC

Since 1919, Victaulic has been the world's leading producer of grooved mechanical couplings and pipe-joining systems. Used in the most demanding markets including commercial building and fire protection, oil and gas, chemical, mining and power, Victaulic innovative piping technologies and services put people to work faster while increasing safety, ensuring reliability and maximizing efficiency.

The company has 15 major manufacturing facilities, 28 branches worldwide and over 3,600 employees who speak 43 languages across the globe. Victaulic mechanical pipe joining systems can be found in projects across New Zealand including The Warehouse's National Distribution Centre and the Americold storage facility at the Auckland International Airport.

As a leader in the industry, Victaulic continues to develop accredited training and certification programs for the industry's latest trends and technologies.



SIMPRO SOFTWARE

simPRO is a global leading provider of job management software for the trade and service industry. Since being established in 2002, simPRO has developed a range of solutions to help businesses work smarter, provide exceptional service, and maximise their profitability.

With offices in New Zealand, Australia, the United States and the United Kingdom, simPRO now supports more than 4,000 clients and 90,000 users with powerful features to help streamline their entire workflow, providing complete visibility across their workforces alongside real-time office-to-field connectivity.

WELCOME



Fire NZ is the annual forum for Fire Protection and Fire Engineering professionals.

FireNZ provides a comprehensive national forum for fire industry professionals. It draws delegates from countries throughout the Pacific and keynote speakers from the USA, the UK, Australia and New Zealand. The conference programme is designed to provide insight and learning, to extend current thoughts on the various presentation topics, and to provide robust debate around key industry issues. FireNZ delegates are industry professionals with a strong interest in the latest developments across fire protection and related products and services.

If you have an interest in fire safety, you should attend.

The conference will provide information for, amongst others:

- Fire Protection Contractors
- Fire Consultants
- Fire Engineers
- Architects
- Building Surveyors
- Property Developers
- Distributors and Installers
- Insurance Professionals
- Fire Equipment Manufacturers
- Fire Survey Personnel
- Regulatory Authorities
- Territorial Authorities
- Fire Service Operational and Volunteer Personnel
- Fire Risk-Management Personnel
- Property and Facilities Managers
- System Designers HVAC/Fire

This year, we have set up a new series of interactive events to meet demand and enable us to include more content. Day 1 is optional and includes site visits, a careers event and the Institute of Fire Engineers (IFE) seminar. It is also the set-up day for the trade show which opens to delegates at 4pm.

FIRENZ SPONSORS

We wish to acknowledge and thank all of the Key Sponsors for this year's conference and exhibition.



Conference Bag Sponsorship
- Pertronic Industries



Gala Dinner Sponsorship
- Aon New Zealand



Fire NZ Cafeteria
- Pertronic Industries



Wifi Sponsorship
- Kidde Australia PTY LTD



ID Lanyard Sponsorship
- Ryanfire



Coffee Cart Sponsorship
- Argus Fire Protection



www.fireprotection.org.nz



www.ife.org.nz



www.sfpe.org.nz

CONFERENCE PROGRAMME

Day 1: Wednesday 11 October

Optional attendance

- Two separate site visits will take place. These depart from ASB Showgrounds at 12:00 pm and return by 4:00 pm. Numbers are strictly limited.
- A careers event will be held from 1:00 to 4:00 pm. This is aimed at careers advisors and institutes to encourage school leavers to the fire protection industry.
- The IFE will be holding a full-day seminar. This will start at 8:00am and finish at 4:00pm.
- Trade show exhibitors will set up their stands from 1.00pm - 4.00pm with the Tradeshow Opening at 4.00pm

Day 2: Thursday 12 October

A selection of speakers will cover a wide range of topics of interest within the theme of this year's conference: *The Beginning of a New Era*. A gala dinner at the conclusion of these sessions will provide a valuable opportunity for networking.

Day 3: Friday 13 October

The FPA will run a separate half day seminar covering various topics running alongside the speakers, followed by the closing address.

DAY ONE Wednesday 11 October 2017	DAY TWO Thursday 12 October 2017	DAY THREE Friday 13 October 2017
EXHIBITION SET UP	MAIN CONFERENCE	MAIN CONFERENCE
SITE VISITS	AGMS - IFE & SFPE	
CAREERS EVENT	GALA DINNER & EVENT	FPA HALF-DAY SEMINAR
IFE ONE DAY SEMINAR		



WEBSITE

FireNZ information can be found on the FPA website with news and updates about FireNZ 2017.

The website is the means by which we keep delegates and exhibitors up to date.



FIRENZ & NZSA TRADE EXHIBITION

We are hosting the 2017 trade show in partnership with the New Zealand Security Association, which has increased the number of trade stands to over 70. Entry to the FireNZ 2017 exhibition is FREE to anyone. While registration is not required to visit the exhibition, all visitors will be required to sign in before entering. Catering is for delegates and exhibition representatives only.

If you are not able to attend the full conference, you may still be able to take this opportunity to see the latest fire and security industry products and services all assembled together in one place. It is also a great opportunity to network with customers and other key players in the fire and security industry. **Don't miss out!**



ACCOMMODATION OPTIONS

Please see the discounted options available for FPA NZ Conference Delegates. To collect these rates and receive the discounts, please follow the instructions below.



Novotel



Novotel AKL Ellerslie & IBIS AKL Ellerslie

Please kindly follow the below steps to gain access to the special event rate for both Novotel & Ibis Ellerslie, Auckland.

You will receive a 15% discount off the best rate of the day.

A Full Buffet Breakfast is available @ \$32.00 per person

TO BOOK:

Please visit: <http://www.accorconferences.co.nz/custom-offers/2017-fire-new-zealand-conference>

Please enter Destination: Auckland

Please enter Arrival / Departure date

(Please note special discount is only applicable for the above dates and is subject to availability at time of booking)

Please select No. of rooms / No. of adults or children



Ibis



SHUTTLE BUS: We will be running a shuttle bus from the Novotel Hotel to the ASB stadium in the mornings and afternoons for those staying at the hotel.



Greenlane Suites

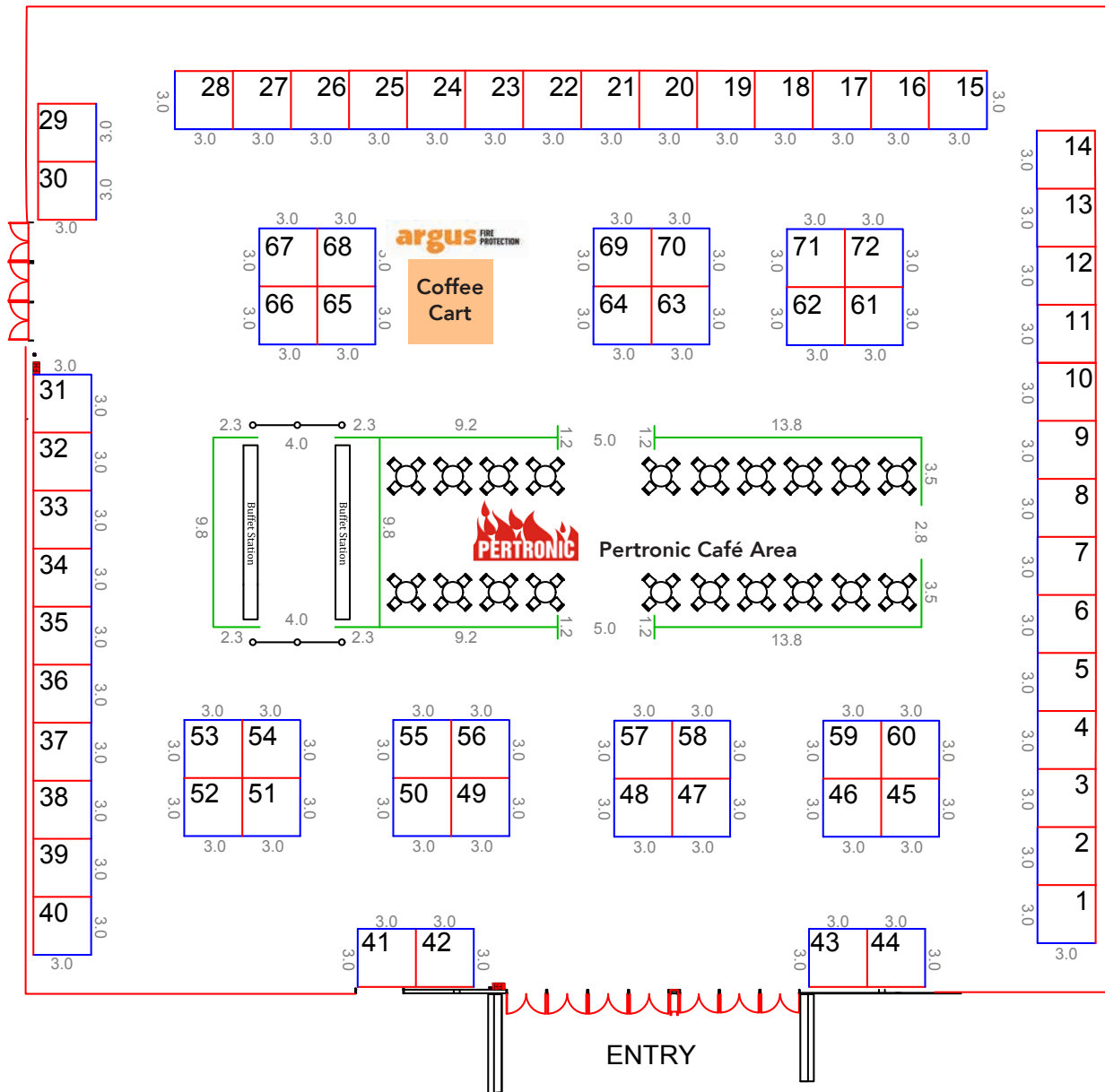
Receive a 10% discount off booking rates.

<http://www.cpg-hotels.com/our-hotels/greenlane-suites/>

Promo Code: RETURN

24 newly-refurbished, modern guest rooms and suites. Feel right at home with Free - WIFI throughout, Sky television with 55 channels, free onsite parking, Coffee machines with coffee pods. All rooms have kitchenettes and individual controlled air conditioning/heating.

EXHIBITION FLOOR PLAN



Company

RyanFire Products Ltd
 Pertronic Industries Ltd
 SafeWorld Limited
 FireMate Software
 Johnson Controls
 Fire Group Consulting Ltd
 Victaulic Australia Pty Ltd
 Clevertronics Pty
 Bensan Distribution
 Hydroflow Distributors
 Kidde Australia Pty Ltd
 Beele Australasia Ltd
 Fire Protection Technology
 N3

Company

Tasman Tanks NZ Limited
 Ecoglo International
 Fire Safety Equipment Ltd
 Hilti New Zealand Ltd
 Winstone Wallboards
 Automatic Fire Alarm Monitoring
 APC Techsafe
 PSL Fire and Safety
 Metalcraft Industries
 Potter Interior Systems
 Ampac Pacific
 Kingspan
 Lorient Pty Ltd
 Altex Coatings Ltd

Company

Fraser Fire and Rescue Ltd
 Colt Products and Systems
 Smoke Control NZ Ltd
 Chubb New Zealand
 FlameStop
 Fireform
 Forman Building Systems Ltd
 Trafalgar Fire Containment Solutions
 Allproof Industries
 Konnect Ridaid
 Kiwi Pipe and Fittings Ltd
 Turbo Staff
 JSG Industrial Systems
 SimPRO Software

PROGRAMME

DAY 1: SITE VISITS / SETUP

WEDNESDAY 11TH OCTOBER 2017

8.00am - 12.00pm No access - Displayworks site set-up 8am -12pm					IFE One Day Seminar 8.00am - 4.00pm
12.00pm		Site Visit Option 1 NZ Steel Emergency Response 12.00pm - 4.00pm	Site Visit Option 2 Auckland Airport Crash Services 12.00pm - 4.00pm	Careers Day 1.00pm - 4.00pm	
1.00pm	EXHIBITION SET UP Site access for Exhibitors for stand set- up 1.00pm - 6.00pm				
2.00pm					
3.00pm					
4.00pm	4-6pm TradeShow Opening				
5.00pm					
6.00pm					

DAY 1: IFE ONE-DAY SEMINAR

WEDNESDAY 11TH OCTOBER 2017

LOCATION: Pavilion 5 (Logan Campbell Centre)

FireNZ & IFE presents **Dr Rich Gasaway's Seminar**

Flawed Situational Awareness: *The Stealth Killer of First Responders*



This program shares the powerful findings of Dr. Gasaway's extensive research on issues related to first responder decision making and flawed situational awareness. In his review of hundreds of near-miss reports, case studies, line-of-duty death reports and videos he continually found himself being frustrated because there were so many clues, indicators and signs that the incident was going to end in disaster.

Yet, for some reason, personnel operating at the incident scene - from company officers to incident commanders - could not see it coming. Or if they did see it coming, they did nothing to alter their course.

In his research to understand why first responders were (seemingly) blind and deaf to what was happening right in front of them, Dr. Gasaway uncovered and investigated over one hundred barriers that can destroy situational awareness and flaw decision making.

This program focuses on some of the most pervasive situational awareness barriers first responders will face while operating in stress-filled, dynamically-changing environments.

Barriers to be explored & discussed will include:

- Pre-arrival lens
- Mind shift
- Cognitive biases
- Staffing issues
- Culture
- Normalization of deviance
- Technology
- Complacency
- Task fixation
- Command support
- Miscommunications
- The curse of knowledge
- Peer and supervisor pressure
-and more
- Confabulation
- Mission Myopia
- Human factors
- Command location
- Overload
- Mission and goals
- Overconfidence
- Task saturation

DAY 1: CAREERS DAY

WEDNESDAY 11TH OCTOBER 2017

LOCATION: VIP Room

1.00pm Careers Event Start			
Time	Subject	Time	Subject
1.00 - 1.05pm	Introduction	2.15 - 2.25pm	Consultant Fire Engineer
1.05 - 1.15pm	Fire Alarm Technician	2.25 - 2.35pm	System Tester
1.15 - 1.25pm	Sprinkler Technician	2.35 - 2.45pm	Inspection and Certification
1.25 - 1.35pm	Fire Equipment Technician	2.45 - 2.55pm	Ongoing Inspections / Evacuation Consultants
1.35 - 1.45pm	Fire Alarm and Sprinkler Designer	2.55 - 3.05pm	Building Consent Authority
1.45 - 1.55pm	CAD Operator	3.05 - 3.15pm	Trade Training
1.55 - 2.05pm	Product Supplier	3.15 - 3.30pm	University Training
2.05 - 2.15pm	Fire Service	3.30 - 4.00pm	Security Jobs
3.05 - 4.00pm	Q&A plus Handouts		

PROGRAMME

DAY 2: MAIN CONFERENCE

THURSDAY 12TH OCTOBER

LOCATION 8.00am - 5.15pm: Pavilion 5 (Logan Campbell Centre)

7:00 - 8:00am	Delegate Registration
8:05 - 8:10am	Conference Opening by MC
8:10 - 8:20am	Welcome by presidents, FPA, IFE, SFPE
8:20 - 8:50	Keynote Speaker: Rhys Jones - FENZ <i>FENZ - the beginning of a New Era</i>
8:50 - 9:35	Speaker: James Antell - Jensen Hughes <i>Trends and current practices in high rise fire safety</i>
9:35 - 10:00	Speaker: Priya Parag, Ivana Paunovic - Beca <i>Igniting a new generation of fire engineers</i>
10:00am - 10:45am	<i>Morning Tea - Exhibitors Area</i>
10:45 - 11:15	Speaker: Daryn Glasgow - Beca <i>Stairwell protection in tall buildings</i>
11:15 - 12:00	Speaker: Dr Tony Enright <i>Lacrosse apartment fire and combustible cladding systems</i>
12:00 - 12:30	Speaker: Daniel Scheibmair - Boinz <i>Improving quality and performance in the built environment</i>
12:30pm - 1:30pm	<i>Lunch - Exhibitors Area</i>
1:30 - 2:15	Speaker: Sean DeCrane - UL
2:15 - 2:45	Speaker: Kevin Frank - Branz <i>Assessing the risk of non compliant passive fire protection</i>
2:45 - 3:15	Speaker: Geoff Thomas - Vic Uni <i>Fire Safety in aftermath of earthquakes and other disasters</i>
3:15pm - 3:45pm	<i>Afternoon Tea - Exhibitors Area</i>
3:45 - 4:15	Speaker: Mateusz Sosnowski FENZ <i>Fire Safety impact matrix. (FENZ risk matrix for ANARP assessment)</i>
4:15 - 4:45	Speaker: Christine Duncan MBIE <i>Fire program update</i>
4:45 - 5:15	Discussion time with members of the GIB® Technical Team. <i>Hosted by Hans Gerlich & Hamish Ewan.</i> <i>Join in this open couch Q&A session with the technical experts from GIB®.</i>
5.15pm - 6.15pm	AGM - IFE Seminar 2; and SFPE VIP Room
5.15pm - 6.15pm	Welcome Drinks & Canapés - Exhibition Area
6.30pm - 10.30pm	<i>Gala Dinner and Event</i>

PROGRAMME

DAY 3: MAIN CONFERENCE

FRIDAY 13TH OCTOBER

LOCATION 8.00am - 5.15pm: Pavilion 5 (Logan Campbell Centre)

8:00am	Conference Start
8:00 - 8:30	Speaker: Ruggiero Lovreglio <i>Awareness and use of evacuation models in NZ</i>
8:30 - 9:00	Speaker: Tim Warren - Constructing Excellence <i>Changing the construction industry mindset</i>
9:00 - 9:30	Speaker: Alan Page - Olsson Fire <i>A new future for construction monitoring (Passive fire)</i>
9:30 - 10:00	Speaker: Greg North - Beca <i>Managing compliance and risk in a campus environment</i>

10:00am - 10:45am	<i>Morning Tea - Exhibitors Area</i>
-------------------	--------------------------------------

10:45 - 11:15	Speaker: Mark Gannon - Olsson Fire <i>Impact of reduced water supply on sprinklers</i>
---------------	--------------------------------------------------------------------------------------------------

FireNZ MAIN CONFERENCE: PAVILION 5		FPA Seminar: VIP Room	
11:15 - 11:45	Speaker: Jack Carbone - Victaulic University <i>A new Era of Pre-action and Deluge valve technology and innovation</i>	11:15 - 12:00	Speakers: Mark Harris and Mark Tatam <i>The latest research on the impact of real building fire scenarios on occupants and buildings from the perspective of insurer certified PIR core sandwich panels</i>
11.45 - 12.30	Speaker: Michael Bosma - Viking <i>Sprinkler protection of storage occupancies</i>	12.00 - 12.30	Speaker: Kim Wheeler - Commerce Commission

12:30pm - 1:30pm	<i>Lunch - Exhibitors Area</i>
------------------	--------------------------------

FireNZ MAIN CONFERENCE: PAVILION 5		FPA Seminar: VIP Room	
1:30 - 1:55	Speaker: FENZ Inspector/CoP FFWS	1:30 - 1:55	<i>Passive & Extinguisher Product registers</i>
1:55 - 2:15	Speaker: FENZ Evac Schemes	1.55 - 2.15	Speaker: Mark Prior - Boss <i>Innovating Fire Protection in high density residential construction</i>
2:15 - 2:45	Speaker: Peter Whiting - Branz <i>Waterview tunnel smoke test</i>	2:15 - 2:45	Speaker: David Ong - Chorus <i>Fire Proofing reinstatement challenges & learnings during UFB rollout</i>
2:45 - 3:15	Speaker: Tim O'Brien - Firenze <i>Oman Botanic Gardens fire engineering design case study</i>	2:45 - 3:15	Speaker: Jason Dyer - Trademark Design <i>Water Mist system code of practice</i>

3:15pm - 3:45pm	<i>Afternoon Tea - Exhibitors Area</i>
-----------------	----------------------------------------

3:45 - 4:10	Speaker: Thomas Kiel - NZFS <i>Remote piloted airborne systems (drones) in fire and emergency</i>
4:10 - 4:30	Speaker: Harsha Chandrashekar - Honeywell Security and Fire <i>Internet of Things (IoT)</i>
4:30pm	Closing Address

SITE VISITS WEDNESDAY 11TH OCTOBER 2017

ONLY 1 SITE VISIT PER PERSON. ALL SITE VISITS ARE LIMITED TO 20 PERSONS PER TOUR.

Choose *ONE* site visit from the following three options:

SITE VISIT OPTION 1

Wednesday 11th October - 12:00pm - 4:00pm



NZ STEEL EMERGENCY RESPONSE

Glenbrook Steel Mill (15 people)

Situated at Glenbrook, south of Auckland, New Zealand Steel's fully integrated steel mill produces a range of flat steel products for both domestic and export markets. New Zealand Steel uses locally sourced iron sand and coal to produce about 650,000 tonnes of steel a year.

Participants will get an up-close look at steel production from black sand, gain an understanding of hazards around steel production areas and slag reduction, and learn firefighting techniques. Locomotive safety for both diesel mechanical and diesel electric locomotives will also be covered.



SITE VISIT OPTION 2

Wednesday 11th October - 12:00pm - 4:00pm



AUCKLAND AIRPORT CRASH SERVICES (20 people)

This site visit will provide a guided tour around the facilities at Auckland International Airport's emergency crash services. This is a great opportunity to see the work that goes on in the background at the airport preparing for emergencies. Don't miss your chance to see the machinery and meet the staff who are the first responders in any emergency situation at the airport.

- 12.00pm** Depart from ASB Show grounds
- 2.20 - 3.00pm** Questions, Afternoon tea
- 3.30pm** Depart back to ASB Show

Attendees to this site visit must supply a copy of their drivers license with the registration form.



GALA DINNER

We have planned a great night with drinks and great food for our Thursday night Gala dinner.

This year's dinner event enables you to be as involved as you want to be or to spend time networking if that is more to your liking.

We know you will enjoy this great night.



SPEAKERS & PRESENTATIONS

IFE One-Day Seminar, Wednesday 11th Oct, 8.00am - 4.00pm



Keynote Speaker: Dr. Rich Gasaway **Situational Awareness Matters!**

Richard B. Gasaway worked as a first responder in three public safety organizations including serving 22 years as a fire chief. After completing his distinguished 30-year career, Dr. Gasaway founded *Situational Awareness Matters!*, a consulting and teaching organization dedicated to improving how individuals, teams and organizations develop situational awareness as a foundation for improving workplace and personal safety. His company website (SAMatters.com) has been visited by more than four million people from 156 countries.

As a professional speaker and author, Dr. Gasaway has contributed to more than 400 books, book chapters and journal articles on topics related to leadership, safety, situational awareness and high consequence decision making. His best selling books, *Situational Awareness Matters Volumes 1, 2 and 3*, *Situational Awareness for Emergency Response*, and *Fireground Command Decision Making*, serve as essential guides for helping individuals and teams develop and maintain situational awareness while making high-stress, high-consequence decisions.

Thursday 12th Oct, 8.20am - 8.50am



Keynote Speaker: Rhys Jones **Chief Executive, Fire and Emergency New Zealand**

Lieutenant General (Retired) Rhys Jones served in the Army for 35 years before retiring in 2014, having held command at all senior levels, including Chief of the Defence Force (CDF).

Rhys is a strong advocate of equity and diversity, on the basis that shared values like courage or comradeship make no judgement about gender or ethnicity. His belief is that organisations need "the best people they can get, based on their ability to do the job well, not on someone's mental image of what a firefighter should look like."

Understanding how different groups work together has been a consistent theme throughout his military career, from coordinating infantry alongside the armoured corps, to the three-service capabilities of the Army, Navy, and Air Force as Commander of Joint Forces for overseas operations in Afghanistan, East Timor and the Solomon Islands as well as joint training and humanitarian operations in the Pacific.

During his tenure as the CDF the Defence Force responded to the Christchurch earthquake in February 2011, the largest civil assistance operation ever conducted by the New Zealand Defence Force.

As the first Chief Executive of Fire and Emergency New Zealand, Rhys is leading the integration of New Zealand's urban fire service and its 40 rural fire authorities. Having been established on 1 July 2017, the new organisation's goal is full unification of urban and rural firefighting units by 2020.

Rhys was awarded the Military Order of Saint George by the King of Tonga in 2011, the Companion of the New Zealand Order of Merit in 2014 and the Commander of the Legion of Honour by the French Government in 2017.

Thursday 12th Oct, 8.50am - 9.35am

Speaker: James Antell AIA, PE

Trends and current practises in high rise fire safety

James is the Vice President - International Development responsible for JENSEN HUGHES international business growth and expansion working with JENSEN HUGHES offices in Abu Dhabi, Dubai, Hong Kong, Kuala Lumpur, Macau, Seoul, Shanghai, Singapore and Tokyo. He has over 35 years of fire engineering experience acting as an advisor to design teams and building owners on compliance with local and international fire safety codes.

His experience includes development of fire protection design strategies using both code and performance based approaches as well as other special studies related to specific code compliance issues. He has negotiated acceptance of alternative fire protection approaches with regulatory officials throughout the world. Mr. Antell's specific areas of concentration include high-rise buildings, public assembly facilities and healthcare.

Mr. Antell's global high-rise fire engineering experience includes many of the world's tallest structures including projects in the U.S., Asia and the Middle East. His projects include Petronas Towers, Jin Mao tower, Shanghai World Financial Centre, Burj Khalifa, Wuhan Greenland Tower and Kingdom Tower in Jeddah, Saudi Arabia along with numerous other high rise projects in the U.S., Asia and the Middle East. He is a recognized expert in high-rise fire safety design. He has lectured worldwide on high-rise fire safety and published numerous articles on the subject.

His global experience also includes numerous large public assembly venues including arenas, stadiums, exhibition halls and significant project experience with buildings, which house Cultural Resources such as museums, libraries, historic properties, opera houses, and theatres.

SPEAKERS & PRESENTATIONS

Thursday 12th Oct, 9.35am - 10.00am



Speakers: Priya Parag and Ivana Paunovic - BECA

Igniting a new generation of fire engineers

Priya Parag is a graduate fire engineer in Beca's Tauranga office. She completed a Masters of Studies in Fire engineering at the University of Canterbury after completing a Bachelor of Engineering in Civil Engineering with Honours.

Since starting her career in fire engineering in December 2017, Priya has been seeking opportunities in all areas of fire engineering to build on her basic knowledge and to become a successful fire-engineering consultant.

She sees fire engineering as an extremely alluring science, which has been under-utilised in the means of recruitment of people into the fire engineering industry.



Ivana Paunovic is a Fire Engineer with Beca based in Dunedin, joined the office in early 2017. She holds a Master's degree in Fire Engineering obtained at three European Universities (University of Edinburgh, University of Gent and University of Lund). Ivana looks forward to complement her overseas experience with fire engineering methods and approaches from New Zealand.

Thursday 12th Oct, 10.45am - 11.15am



Speaker: Daryn Glasgow - BECA

Stairwell protection in tall buildings

After an extensive twelve year career as an operational Fire-fighter/officer in the Royal NZ Air Force (aviation crash rescue) and NZ Fire Service urban fire environment, Daryn's career focus shifted to taking this valuable experience and applying it to technical fire engineering.

Daryn has five years regulatory design review experience and nine years fire engineering design experience of projects across a wide range of sectors. His roles have included job functions from Design Engineer, Senior (lead) Design Engineer, section and project team management, and emergency operational command. Daryn specialises in large scale performance based fire engineering design of specialist facilities, and buildings with challenging geometries, occupancy and usage. He has developed a strong portfolio of successful and award winning projects, and has developed a reputation as a trusted advisor to his clients, regulators, and central government.

Thursday 12th Oct, 11.15am - 12.00pm



Speaker: Dr Tony Enright

Lacrosse Apartment Fire and combustible cladding systems

Dr Tony Enright is a New Zealand fire engineer based in Melbourne, Australia. He is a Chartered Professional Engineer in both New Zealand and Australia and a dual Fellow of Engineering New Zealand and Engineers Australia.

Tony has 25 years professional experience and has delivered major projects across the building and advisory sectors: most notably as lead fire engineer for the A\$2.4 billion new Royal Adelaide Hospital. He has won academic and project-based awards including being the inaugural NFPA International Scholar in Fire Science, he has authored peer-reviewed journal articles and he has represented national standards bodies on ISO Technical Committees.

From 2015 to the present Tony has been assisting the Victorian Building Authority (VBA) and the City of Melbourne in their responses to the Lacrosse Apartments fire of 25 November 2014 and the subsequent investigations. Tony has also been involved in some of the more complicated cladding audits including that of the Harvest Apartments on Melbourne's Southbank which along with the Lacrosse Apartments was also subject to an Emergency Order.

Thursday 12th Oct, 12.00pm - 12.30pm



Speaker: Daniel Scheibmair - BOINZ

Improving quality and performance in the built environment

Daniel Scheibmair joined the BOINZ team to take on the role of Technical & Education Manager in late 2016. His particular focus on evolving the Training Academy to deliver relevant and best-in-class education and training, and his engagement in the NZ Diploma in Building Surveying delivery pathways, will help better skill the Institutes' members and raise the professionalism of Building Surveyors in the Building Control sector.

He is a Chartered Professional Engineer (CPEng), holds a Master of Engineering degree specialising in timber engineering and held the position of President of the NZ Timber Design Society, a technical group of IPENZ, for 3 years.

Continued overleaf...

SPEAKERS & PRESENTATIONS

Daniel Scheibmair - *Continued*

Daniel has extensive knowledge on timber engineering and prefabrication, with experience extending to marketing, R&D and Product Innovation. As a result of positions held across ANZ with previous employers, within industry organisations, and on boards and committees, he has established global contacts enabling him to be at the forefront of advances and innovation in the construction sector.

A talented communicator who regularly presented courses and addressed LBP-Builders, LBP-Designers, engineers, students, prefabrication plants, international conferences, and tutored BOINZ courses over the past years, he has valuable first-hand experience in delivering education and training that will help him in shaping the future of the BOINZ Training Academy.



Speaker: Sean DeCrane - UL

Thursday 12th Oct, 1.30pm - 2.15pm

Remote Piloted Airborne Systems now and in the future of Fire and Emergency New Zealand

Sean DeCrane retired as a 25+ year veteran of the Cleveland Division of Fire. He rose through the ranks and serving in various roles including the Director of Training and Acting Chief of Operations. He retired as a Battalion Chief covering Cleveland's Westside. Sean has been very involved in the research at Underwriters Laboratories and the National Institute of Standards and Technology. He serves on the UL Fire Council, is a member of the UL Fire Fighter Safety Research Institute's Advisory Board and is currently on a number of technical panels for research and standards.

Chief DeCrane also represented the International Association of Fire Fighters in the International Code Council process and has served on the 2009, 2012, 2105 and 2018 Fire Code Developing Committee and as Chair for 2015 and 2018. Sean served on the NFPA 1 Technical Advisory Panel, NFPA Research Foundation on Tall Wood Buildings and is serving as the Chair of the fire Test Work Group for the ICC Tall Wood Building Ad Hoc Committee.

Sean has been awarded the 2015 UL Council Member's Achievement Award, 2014 Fire Equipment Manufacturer's Fire Safety Advocate of the Year Award, the 2013 International Association of Fire Chiefs Life Safety Award and the 2012 ICC-IAFC Life Safety Advocate Award. Sean has delivered a number of keynote addresses including the 2015 Fire Department Instructor's Conference. Currently Sean has been appointed as the UL Manager for Industry Groups and association and Professional Organizations.



Speaker: Kevin Frank - BRANZ

Thursday 12th Oct, 2.15pm - 2.45pm

Assessing the risk of non-compliant passive Fire protection

Kevin is a member of the BRANZ Better Buildings Fire Research team and holds a PhD in Fire Engineering from the University of Canterbury. His research interests include the reliability and performance of fire safety systems, fire dynamics, and risk analysis. Kevin has also been involved with fire safety through conducting fire investigations as a forensic engineer in Canada and as a volunteer member of the fire service in both Canada and New Zealand.



Speaker: Dr. Geoff Thomas - Vic Uni Ph.D. (Fire Eng.), FIPENZ, C.P.Eng., MSFPE

Thursday 12th Oct, 2.45pm - 3.15pm

Fire safety impact matrix (FENZ risk matrix for ANARP assessment)

Geoff Thomas is a senior lecturer at the School of Architecture at Victoria University of Wellington, lecturing in Fire Safety, Building Codes and Structures. Prior to this Geoff was the Fire Engineering Manager at Sinclair Knight Merz, with projects in New Zealand, Hong Kong, the Philippines and Indonesia. His PhD was the first awarded in New Zealand in Fire Engineering in 1997. Geoff also runs a consultancy, involved in peer review of complex projects and structural fire engineering. He reviewed the AIR Worldwide post-earthquake fire loss models for Japan and Canada developed for re-insurers. Geoff has been active in the profession being a Practice Area assessor for Fire Engineering for Chartered Professional Engineers (C.P.Eng.) since 2007, and a member of the Competence Assessment Board, the decision making body for C.P.Eng, Technologist and Technician registration from 2008 to 2013. Geoff also led the development of the Practice Area Assessor guidelines for C.P.Eng. Fire Engineers, and was elected a Fellow of the Institution of Professional Engineers of New Zealand in March 2016.

Geoff has lectured in Tokyo University of Science's international degree program for Fire Engineering, the leading such degree program in East Asia, and has been an invited speaker at several Asian Fire Education and Research Symposiums.

Current research interests are fires following earthquakes, the effect of fire on structures, development of performance based fire codes fire safety and sustainable buildings, their impact on each other and compliance with building codes.

SPEAKERS & PRESENTATIONS



Speaker: Mateusz Sosnowski - Fire and Emergency NZ

Thursday 12th Oct, 3.45pm - 4.15pm

Fire Safety impact matrix (Fire and Emergency NZ risk matrix for ANARP assessment)

Mateusz has been working within the field of fire safety engineering and fire risk assessment in the private and public sectors since 2010. At WSP Fire & Risk (Sweden) he worked as a fire design consultant and also carried out fire risk assessments on large scale incidents including those involving major hazard facilities (SEVESO) and incidents involving Dangerous goods. Mateusz was a key player in the landmark 'Förbifart Stockholm' tunnel project. This 16 km long tunnel, which provides a by-pass around the city of Stockholm, caters for up to 140 000 vehicles per day including vehicles carrying all classes of dangerous goods.

Working at the County Administrative Board in Stockholm he was the sole team member to hold both fire and risk engineering competence. His main responsibility was to review risk analysis submitted for urban planning, especially for more large scale and more complex areas. This role also involved survey of major hazard facilities from a risk impact perspective.

Mateusz has also undertaken a one year senior officer training at the Swedish Rescue and Contingency Agency and has experience at leading crisis coordination between public and private stakeholders for of large-scale incidents. Mateusz joined Fire and Emergency New Zealand and the Fire Engineering unit, in mid-2016. His current role involves reviewing building designs as well as working on different development projects within the field of fire engineering.



Speaker: Christine Duncan - MBIE

Thursday 12th Oct, 4.15pm - 4.45pm

Fire Programme Update

Christine is the Fire Engineer within the Engineering, Design and Sciences Team of the Building Systems Performance Branch at MBIE. She has 20 years' experience in the private sector, starting her career in testing and research at BRANZ then as an engineering consultant in New Zealand, Australia and the United Kingdom. Christine leads the fire-engineering programme at MBIE and is currently working on a portfolio of projects as a response to the regulatory review of the NZ Building Code Part C "Protection from Fire" clauses.



Discussion time with members of the GIB® Technical Team Hans Gerlich & Hamish Ewan

Thursday 12th Oct, 4.45pm - 5.15pm

Hans Gerlich is a Chartered Professional Engineer and Technical Manager for Winstone Wallboards Ltd. For the last 25+ years he has worked in consulting, research and development, product appraisal and local authority building control, with special interest in structural engineering, fire engineering and the regulatory environment.



Hamish Ewan is the Senior Technical Support and Development Engineer at Winstone Wallboards Ltd. His background in construction, engineering, sales and product development roles over 25 years gives him a unique balance between technical expertise and practical, customer-led solutions. Currently he is focused on Noise Control, Acoustics and Intertency solutions utilising plasterboard.

MC & SPEAKER: BRETT DE HOEDT ALSO SELF PROCLAIMED MAYOR OF HOOTVILLE.COM

Due to popular demand, FireNZ will have MC & Speaker Brett de Hoedt running the event again this year.

Brett runs *Hootville Communications* which trains and consults on media, marketing and communications to peak bodies, nonprofits and small businesses.

Before founding Hootville and declaring himself "Mayor", Brett worked as a print journalist, talk radio host and publicist with media organisations including *Truth*, *New Idea*, *Channel 7*, *radio 3AK*, *The Sunday Age*, *The Melbourne & Sydney Weeklies* and *ABC local radio Perth*. He has also made video documentaries, reviewed restaurants and written game show questions.

Brett promises to keep the show on the road and the energy high again.



SPEAKERS & PRESENTATIONS



Speaker: Ruggiero Lovreglio

Friday 13th Oct, 8.00am - 8.30am

Awareness and use of evacuation models in NZ

Ruggiero is a PhD in Civil Engineering in Fire Engineering with expertise in Evacuation Modelling and Human Behaviour in Fire.

At the moment, he is working as a Research Fellow at the University of Auckland carrying on research on Human Behaviour in Earthquakes using Virtual Reality and Serious Games.

Speaker: Tim Warren

Friday 13th Oct, 8.30am - 9.00am

Construction Excellence, changing the construction industry mindset

TBA



Speaker: Alan Page - Olsson Fire

Friday 13th Oct, 9.00am - 9.30am

A new Future for construction monitoring (Passive Fire)

I have worked in the passive fire protection industry for 30 years and at company leadership level for twenty years as a Senior Engineer and Director. I am also a co author of "The Red Book" standards in fire stopping (UK).

I have operated in many construction markets both nationally and internationally. My expertise lies within passive fire protection, explosion, gas and water seals. My career has been spent in manufacturing where I introduced and delivered applicator training programmes for passive fire protection and fire stopping, oversaw product testing programmes and field tests and developed site and office QA procedures in Europe, The Middle East and Far East providing on site support and inspection of both passive fire protection and fire stopping internationally for various manufacturers. Leading 5 main contractors and sub contractors companies to full 3rd party accreditation in the UK.



Speakers: Greg North MIPENZ CPEng IntPE (NZ) MSFPE AIFireE & Rob Wilks MIRHACE

Friday 13th Oct, 9.30am - 10.00am

Managing compliance and risk in a campus environment

Greg North is a Chartered Professional Fire Engineer with Beca based in Dunedin and prior to that he has worked in Auckland, Sweden and England.

Whilst development fire safety designs for new and existing buildings, Greg frequently explores design options to assist the evacuation of building occupants with mobility impairments.

Greg has recently authored a new specification for 'Areas of Refuge' spaces for the University of Otago to cover these works across their entire property portfolio. This refuge feature is gaining momentum across the university and is being installed in multiple buildings.

Greg holds a Master's Degree in Fire Engineering from the University of Canterbury.

Rob Wilks is Building Compliance Manager at the University of Otago where his role is main role is to ensure that all buildings meet statutory requirements for the Buildings Act, HSNO, etc. Prior to joining the University Rob worked in the Fire Protection and Mechanical Services industries for 20 years.

Rob actively engages in the building design process at the University to ensure the life safety features of the building meet or exceed the Building Act while efficiently and effectively supporting the University in its core business of teaching and research.

Rob is a registered mater electrician, refrigeration technician and qualified fire technician.

SPEAKERS & PRESENTATIONS

Speaker: Mark Gannon - Olsson

Friday 13th Oct, 10.45am - 11.15am

Impact of reduced water supply on sprinklers

Mark has worked in the Fire Protection industry since 2004. He started his career as a fire test engineer in the UK testing active and passive fire systems and developing bespoke testing methods to support product certification for the insurance industry.

After holding a role as a fire test engineer and fire consultant engineer in the UK and Ireland, Mark moved to New Zealand in 2009 where he continued to work within fire testing (BRANZ) and consulting field and obtained his Master of Fire Engineering Studies in Fire Engineering through the University of Canterbury in New Zealand. Mark held a Senior Consultant role at Marsh Risk Consultants where he developed business and risk solutions for stakeholders within the health, education, government, oil and gas, manufacturing, food manufacturing and power sectors.

Mark has worked as a Product Development Manager for a passive fire product in Australia, providing support to projects and technical advice to the national sales team. Mark was also in charge of coordinating the fire, acoustics and structural testing of various systems for the New Zealand, Australian and international markets.

During his career, Mark has worked with major construction companies, architects, engineers, project managers, services consultants, insurance brokers, insurance underwriters and other building/asset stakeholders.

Mark currently works for Olsson Fire and Risk as a senior fire engineer and business unit manager for the Olsson Fire and Risk Wellington and Hawkes Bay offices.



Speaker: Jack Carbone - Victaulic

Friday 13th Oct, 11.15am - 11.45am

A new Era of pre-action and deluge valve technology and innovation

Jack has been at Victaulic for 17 years, he has driven global and internal training initiatives for the company over the last 4 years. Carbone is a technical expert in a range of fire protection products and in providing application support for installers and AHJ's. The training Jack provides is two fold, he trains industry professionals around the globe and trains Victaulic senior sales specialists in order to enhance the technical understanding of flexible drop, dry/deluge valve and sprinkler technology through-out the company. In 2014 he spearheaded the global global flexible drop fitting system program which included a week in NZ as part of the FPA Getting it right seminar series for sprinkler contractors and engineers.

With more than 22 years of experience as an engineer, Jack is thought of as a leader and mentor within Victaulic and the fire protection industry.



Speaker: Michael Bosma - Viking

Friday 13th Oct, 11.45am - 12.30pm

Sprinkler protection of storage occupancies

Mike joined Viking Corporation in 1993 as Special Hazards, Product Manager and held several subsequent positions within both Viking Supply Network distributions System And Viking Manufacturing until being promoted to President of Viking Corporation in 2004.

At the end of 2009 the Viking Group was merged with Minimax GmbH & Co. KG and Mike's responsibilities were expanded to include Worldwide R&D efforts for water based fire products including Mist and the Special hazard Sales effort in the Americas.

In 2015 Mike assumed the role of Executive Vice President, SupplyNet, involving responsibility for Viking and Viking SupplyNet Sales efforts in the Americas. As of mid-2017 Mike has expanded his responsibilities to all Viking Sales organizations outside the USA. Mike has been actively involved on several industry committees for the American Fire Sprinkler Association (AFSA), the National Fire Sprinkler Association, the National Fire Protection Association (NFPA 25, 76, & IS), and the Factory Mutual Insurance advisory council. Mike holds NICET certification in automatic sprinkler design and a Bachelor's degree from Hope College (December, 1983).

In the 10 years prior to his time at Viking, Mike has held several Sales, Marketing, Product Management and Sales management roles for Allied Tube and Conduit (Chicago, IL), Grinnell Supply Sales (Exeter, NI-I) and Wormald/Tyco Asia Pacific (Australia & New Zealand).

Speaker: Fire and Emergency NZ Inspector/Cop FFWS

Friday 13th Oct, 1.30pm - 1.55pm

TBA

Speaker: Fire and Emergency NZ EVAC Schemes

Friday 13th Oct, 1.55pm - 2.15pm

TBA

SPEAKERS & PRESENTATIONS



Speaker: Peter Whiting - BRANZ

Friday 13th Oct, 2.15pm - 2.45pm

Waterview tunnel smoke test

Peter Whiting is a Senior Fire Engineer and the Fire Testing Team Leader at BRANZ. He has been in the Fire section at BRANZ for almost 20 years and before that involved in the construction industry employed in various architectural practices.

Peter has completed post graduate studies in fire risk engineering and fire related performance based building codes at Victoria University of Technology, Melbourne.

At BRANZ Peter heads up fire testing, has been involved in fire research informing building code changes, fire safety consultancy and is a committee member working on the development of several fire testing standards.



Speaker: Tim O'Brien - Firenze

Friday 13th Oct, 2.45pm - 3.15pm

Oman Botanic gardens fire engineering design case study

Tim is a professional fire engineer with over 20 years of experience in fire protection, risk management, loss prevention, fire investigation, fire resistance testing, regulatory compliance, automatic fire sprinkler certification, legal advisory services and fire engineering design.

Tim's current work with FireNZE is primarily fire engineering alternative and specific design to meet client needs (from minimum regulatory compliance through to enhanced property protection). FireNZE also provides loss investigation and legal advocacy services.

Former roles include fire engineer and special fire investigator with the New Zealand Fire Service, Accredited Sprinkler System Certifier (AHJ), Accredited Fire Engineer with BRANZ Limited, senior loss prevention engineer with FM Global, and Executive board member of FPANZ.

Tim has made both national and international contributions to the development of fire protection Standards and delivered presentations, papers and training on aspects of fire engineering.



Speaker: Thomas Kiel - NZFS

Friday 13th Oct, 3.45pm - 4.10pm

Remote piloted airborne systems (drones) in fire and emergency

Thomas Kiel graduated from a Degree in Engineering, Aerospace Avionics, from the Queensland University of Technology in 2007, after completing a thesis on Unmanned Aircraft (Drones) and the application for Search and Rescue. During his study, he was employed on an undergraduate programme with BAE Systems Australia, which evolved on graduation to an appointment as a Graduate Hardware Engineer. In 2010, he graduated from the Royal Military College of Duntroon, completing the Australian Army's General Service Officer Course, appointed as an Infantry Officer.

He has been employed with the New Zealand Fire Service and now Fire and Emergency New Zealand since 2011 as a career Fire Fighter in the Hutt-Wairarapa Area and Palmerston North Areas. Thomas has been an Associate Member with the Institute of Fire Engineers since 2012 and is currently involved in the development and steering of an Unmanned Aerial System Capability within the Emergency Service environment. He is a main contributor to the operational and managerial development of the Drone Capability within Fire and Emergency New Zealand. He has responded operationally as a Drone Operator for the New Zealand Fire Service in a number of Operational Environment and is also a Drone Operator and Technician for the New Zealand Urban Search and Rescue Team.



CATERING

At Urban Gourmet we see food as fashion and like to make a statement with your dishes. Our chefs push the boundaries of food innovation. Using their pallet of fresh flavours and experience they create daring and exquisite food experiences with presentations that show the deft touches only achieved by true artists. Our sumptuous menus have a mouth-watering array of savoury, sweet, hot and cold dishes.

We know you will enjoy your eating experience here at FireNZ 2017.



www.fireprotection.org.nz



www.ife.org.nz



www.sfpe.org.nz

SPEAKERS & PRESENTATIONS

Friday 13th Oct, 4.10pm - 4.30pm



Speaker: Harsha Chandrashekar - Honeywell Security and Fire

Internet of Things (IoT)

Harsha Leads the Regulatory affairs for Honeywell Security and Fire - Asia Pacific. Harsha has been with Honeywell for the past 17 years handling Technology and New Product Introduction.

Speakers:

FPA SEMINAR Friday 13th Oct, 11.15am - 12.00pm

Mark Harris and Mark Tatam - Kingspan

Mark Harris: The latest research on the impact of real building fire scenarios on occupants and buildings from the perspective of insurer certified PIR core sandwich panels

Mark Harris has worked for Kingspan Group for over 20 years. Mark initially joined as the Technical Director for Kingspan Industrial Insulation where he was responsible for all aspects of technical development including fire testing, product development and regulation compliance. Since 2000 Mark has worked for the Insulated Panels Division as Divisional Building Technology Director. His current role involves Divisional responsibility for a number of building technology issues including fire performance, Building Regulation compliance, certification, European & Global Standards. Mark also has Divisional responsibility for the management, development and implementation of Kingspan's Sustainability Strategy. In addition Mark chairs the Kingspan Group Net Zero Energy Committee.

Prior to working for Kingspan Mark held a number of positions in the chemical industry and now has over 30 years of experience in high performance insulation materials. Over this period Mark is responsible for the development of five patents in insulation foam technology and processing.

Mark is an active member of a number of trade associations at both national and international level. Mark was President of the European Phenolic Foam Manufacturers Association for over 5 years and has been Chairman of EPIC (Engineered Panels In Construction - www.epic.uk.com) - the UK trade association for manufacturers of PIR core insulated panel systems for the last 11 years. He is also a member of the Management Board of PU Europe (www.pu-europe.eu) - the European trade association for rigid polyurethane insulation.



Mark Tatam: Façade design for fire performance and the rising use of insulated panels

Mark Tatam is the Building Technology Director for Kingspan Insulated Panels, covering Australasia and South East Asia. He has extensive experience in heavy industry and manufacturing in building industry environments, with previous experience with BHP, CSR and Bluescope in process modelling and optimisation, new product development and strategic marketing.

He has a number of formal qualifications including a PhD and MSc degrees from the University of New South Wales and the University of Wollongong respectively, as well as an MBA in International Business Management from the University of New England. His current interests are the fire performance of building materials and optimal building design using resilient / durable building materials.

He currently works with a specialist team of four who offer advice to the building industry on building code compliance; fire, structural and thermal performance; and building design for 'future-proofing' buildings to meet changing building requirements and usage patterns.

Mark has been actively involved in the development of new fire safety standards for external cladding systems and works within the insulated panels industry to actively promote the use of better performance in fire and bushfire events. Principally he is involved in the design and specification of insulated panels, and has recently been promoting the notion that 'not all insulated panels are the same' as part of an insulated panel industry initiative to promote better fire performance in insulated panels in use.

Speaker: Kim Wheeler - Commerce Commission

FPA SEMINAR Friday 13th Oct, 12.00pm - 12.30pm

Kim Wheeler is a Senior Investigator for the Consumer division of the Commerce Commission, investigating matters under the Fair Trading Act. Ms Wheeler joined the Commission in October 2016. Prior to joining the Commission, Ms Wheeler was an Investigator in the Deceptive Marketing Practices Division at the Canadian Competition Bureau for 10 years. Ms Wheeler was also the Canadian delegate, and is currently one of the New Zealand representatives for the International Consumer Protection and Enforcement Network (ICPEN).

FPA HALF-DAY SEMINAR SPEAKERS & PRESENTATIONS

Speaker: TBA

Yet to be confirmed

FPA SEMINAR Friday 13th Oct, 1.30pm - 1.55pm



Speaker: Mark Prior - Boss

Innovating Fire Protection in high density residential construction

Mark Prior is the founder and CEO of BOSS Fire & Safety, a leading manufacturer and supplier of passive fire protection products across Australia and NZ.

With more than 30 years' experience in fire protection - involved in active systems, detection, special hazards, fire doors and passive - Mark has developed a wide range of skills in design, manufacturing, installations as well as training & compliance of fire protection systems.

Starting his career with Wormald in the mid 1980's as a Fire Protection Engineer, Mark is qualified in electrical & mechanical engineering and holds a Masters degree in Business. He Vice Chairs the Technical Advisory Committee for Passive Fire with Fire Protection Association of Australia, sits on the Special Interest Group for Passive Fire with FPA NZ, and is part of Australian Standards Committee FP-19 for passive fire safety.

Mark is a technical expert in the field of passive fire protection and has led the development of some of the industry's leading innovations in firestopping.

FPA SEMINAR Friday 13th Oct, 1.55pm - 2.15pm



Speaker: David Ong & Rex Buckley - Chorus

Fire Proofing reinstatement challenges & learnings during UFB rollout

David Ong is a senior network design engineer as part of the CTO group for Chorus New Zealand. The role involves the establishment of material qualification, network deployment standards and optimization. David has been involved in the fibre network deployment industry for over 10 years in various countries such as Malaysia, Singapore and Japan.



Rex Buckley serves as Technology Solutions Expert for Universal Communications Group (UCG). The role spans across UCG's business in both New Zealand & Australia, as part of the CTO group, providing leadership to the Group in respect of innovative use of technologies.

Having been involved in the telecommunications industry for more than 30 years Rex has built broad experience across many technical & operational roles. From the early days of the New Zealand Post Office and Telecom New Zealand through to roles in Australia Rex has seen a vast transformation within the telecommunication industry.

FPA SEMINAR Friday 13th Oct, 2.15pm - 2.45pm



Speaker: Jason Dyer - Trademark Design

Water Mist system code of practise

Jason is currently a Director at Trade Mark Design where he specialises in delivering constructible design and compliance solutions/support for a full range of fire protection systems.

Jason has a Bachelors Degree in Mechanical Engineering, a Master's Degree in Fire Engineering, and has worked in the Fire Protection industry for over 20 years. Over this time Jason has held a number of roles including; Special Hazards Project Engineer where he was responsible for the design, project management and commissioning of specialist fire protection systems; Design Manager for a large contracting business involving managing a team of designers; Group Engineer for a mid to large contracting business where as a member of the senior management team he was responsible for providing engineering guidance across all elements of the business. Jason has also served on a number of Standards NZ Committees for Fire Protection Standards.

FPA SEMINAR Friday 13th Oct, 2.45pm - 3.15pm

PURCHASER DETAILS (please complete all fields)

Company:	No. of Conference Attendees:
Postal Address:	No. of Gala Dinner Attendees:
Postcode:	
Contact Name:	
Email:	
Phone ():	
Order Number (if applicable)	
Date: / /	

Membership discounts apply to conference registrations only.
Note: The member price applies to FPANZ, IFE and SFPE USA members only. Only one discount can be used

<input type="checkbox"/> FPANZ	<input type="checkbox"/> Platinum Members 25%	<input type="checkbox"/> IFE Members5%
<input type="checkbox"/>	<input type="checkbox"/> Gold Members..... 20%	<input type="checkbox"/> SFPE Members5%
<input type="checkbox"/>	<input type="checkbox"/> Silver Members..... 15%	
<input type="checkbox"/>	<input type="checkbox"/> Bronze Members 10%	
<input type="checkbox"/>	<input type="checkbox"/> Individual Member 5%	

REGISTRATION FEES <small>excl. GST</small>	FPANZ, IFE, SFPE member base price <small>excl. GST</small>	Non Member <small>excl. GST</small>
Full Registration: includes attendance and catering for the full 3 days including conference dinner, workshops, site visit and delegate satchel. *Cost will be \$999 for registrations after 11th September 2017	\$899 EARLY BIRD SPECIAL!* <small>*Cost will be \$999 for registrations after 11 September 2017</small>	\$1099
Two Day Registration: Thursday/Friday – includes attendance workshop and catering for the full 2 days (including conference dinner and delegate satchel).	\$899	\$999
One Day Registration: includes attendance workshop or site visit and catering for the full 1 day (excludes conference dinner and delegate satchel).	\$415	\$555
Conference Dinner <i>(No Membership discount applies to dinner tickets)</i>	Ticket per head \$156	Corporate Table of 8 \$1250

TOTAL excl. GST \$

Attendee 1: (please complete all fields)

Contact Name:		
Phone ():	Email:	
Dietary Requirements (if applicable):		

- DAY 1** Please tick if attending. Tick attendee preferences
- | | | |
|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
| <input type="checkbox"/> Site Visit A:
NZ Steel Emergency Response | <input type="checkbox"/> Site Visit B: Auckland Airport Crash Services
<input type="checkbox"/> Drivers License Copy | <input type="checkbox"/> IFE One Day Seminar |
|------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------|
- DAY 2** Please tick if attending. **Conference Dinner**
- DAY 3** Please tick if attending.

Cancellation Policy:
 All cancellations must be made in writing to FPANZ. A cancellation fee of 25% will be charged for cancellations until 30 days prior to the event. No refund will be offered for cancellations 30 days prior to the conference. A substitute may attend in place of a registered delegate.

Payment:
 A tax invoice will be provided on receipt of the registration form. Delegates can also choose to pay by credit card, using either Visa or Mastercard. A **2%** surcharge applies to all credit card transactions.

Credit Card: <input type="checkbox"/> Mastercard <input type="checkbox"/> Visa
Card Number:
Expiry Date: ___ / ___ Card security code (CSC): (3-digit number on back of card)
Cardholder Name: _____
Cardholder's Signature: _____



Conference Registration Form



Attendee 2: (please complete all fields)

Contact Name:

Phone ():

Email:

Dietary Requirements (if applicable):

DAY 1 Please tick if attending. Tick attendee preferences

Site Visit A:
NZ Steel Emergency Response

Site Visit B: Auckland Airport Crash Services

Drivers License Copy

IFE One Day Seminar

DAY 2 Please tick if attending.

Conference Dinner

DAY 3 Please tick if attending.

Attendee 3: (please complete all fields)

Contact Name:

Phone ():

Email:

Dietary Requirements (if applicable):

DAY 1 Please tick if attending. Tick attendee preferences

Site Visit A:
NZ Steel Emergency Response

Site Visit B: Auckland Airport Crash Services

Drivers License Copy

IFE One Day Seminar

DAY 2 Please tick if attending.

Conference Dinner

DAY 3 Please tick if attending.

Attendee 4: (please complete all fields)

Contact Name:

Phone ():

Email:

Dietary Requirements (if applicable):

DAY 1 Please tick if attending. Tick attendee preferences

Site Visit A:
NZ Steel Emergency Response

Site Visit B: Auckland Airport Crash Services

Drivers License Copy

IFE One Day Seminar

DAY 2 Please tick if attending.

Conference Dinner

DAY 3 Please tick if attending.

Send Completed Registration form to:

Conference Organiser, Fire Protection Association NZ, Private Box 302-372, North Harbour, Auckland 0751.
Ph: (09) 414-4450. Email: fpanz@fireprotection.org.nz

Please note: Registrations must be received no later than Friday 6th October 2017.

A CAREER IN THE FIRE INDUSTRY?

COME MEET THE INDUSTRY EXPERTS.

COME AND LEARN ABOUT:
ALARMS/SPRINKLER TECH
FIRE EVACUATION CONSULTING
FIREFIGHTING | FIRE ENGINEERING
CAD OPERATING | FIRE INSPECTION
SPRINKLER DESIGN | SYSTEM DESIGN

FireNZ Careers Day
Wednesday 11th October 2017
1.00pm – 4.30pm
ASB Showgrounds, Greenlane
Please RSVP by 1/10/2017
to fpnz@fireprotection.org.nz

FireNZ 2017 is holding a **CAREERS EVENT** afternoon on 11th October 2017

FireNZ is the annual national conference for the Fire Protection Industry of New Zealand and is hosted in partnership with the FPA (Fire Protection Association), IFE (Institution of Fire Engineers) and the SFPE (Society of Fire Protection Engineers). The Fire Protection industry has a wide range of jobs and career paths available, from firefighting to fire engineering to sprinkler technician to sprinkler designer to fire evacuation consultant to name a few. This event showcases these careers.

There are a wide range of opportunities in the fire industry and currently there is a shortage of workers in these areas. Companies are often having to advertise overseas to fill the vacancies. Job opportunities, skills training and remuneration in this field are very competitive for school leavers.

This unique opportunity to interact with people from the fire industry is presented to careers advisors, school leavers and educational organisations. You will be able to listen to a wide range of industry experts talk about all of the career options available, and what is required to enter these careers. Each expert will present a short talk on a specific field. There will be an information pack provided at the event, including contact details.

Light refreshments and afternoon tea will be provided and there will be a Q&A session held at the conclusion of the event. This event is open to careers advisors, school career staff, school leavers and anyone looking for advice on entering the Fire Industry.

This year we are launching an introductory Fire Industry Workshop for students/school leavers.

This will be held in late November/early December and will be free to attend. The workshop is designed to give the students an insight into the industry to see if it interests them. There are many aspects to the industry so we need to start educating our young people out there about it. Those students who are keen and show positive interest will then be asked to attend a basic Introductory Fire Knowledge Course which is currently being developed.

It will be a 4-6 weeks intensive course designed to give students the underpinning knowledge that they would need to enter the fire industry. Many employers are struggling to find school leavers as not much is known about our industry. Completing this course successfully will give you an advantage in gaining employment in your chosen field. We have employers waiting for the completion of the first course so come along and learn more about our industry.

