

fire NZ

2015

CONFERENCE & EXHIBITION



TRANSFORMING THE FIRE TRIANGLE



15 – 16 OCTOBER 2015
TSB ARENA | 4 QUEENS WHARF | WELLINGTON

THE FORUM OF FIRE PROTECTION, FIRE SAFETY AND FIRE ENGINEERING PROFESSIONALS

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 nearly 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.

THE THEME

Transforming the Fire Triangle: Design, Safety and Innovation.

The FIRENZ 2015 Conference and Exhibition will showcase advanced cutting-edge practices in Fire Protection and Engineering used to protect people, property and the environment through design, safety and innovation

FireNZ Conference Organiser: Fire Protection Association NZ

FPA Headquarters 9C William Pickering Drive Albany, Private Box 302-372 North Harbour Auckland 0751

Ph: (09) 414 4450 | Fax: (09) 414 5707 | Email: fpnz@fireprotection.org.nz | Web: www.fireprotection.org.nz

SPONSORS

We wish to acknowledge and thank all of the primary sponsors for this year's conference and exhibition. The FireNZ 2015 Conference and Exhibition is proudly brought to you by:

PLATINUM SPONSORS



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.



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.

GOLD SPONSOR



AMPAC

The Ampac Group of Companies specialise in the design, manufacture and distribution of world leading fire detection and alarm systems for commercial, industrial and multi-residential complexes. We at Ampac, strive to maintain and improve the vitality of our customer relationships for it is through understanding the needs of our customers that we can truly achieve sustained long term growth.

Our aim is to ensure that the entire Life Cycle of our products is supported by our comprehensive After Sales Service. Along the way, we have gained the reputation of a company that operates with integrity coupled with a clear focus and commitment-providing customers at every level with superior customer service. Ampac is a business focused on long term growth. Whilst we always consider the implications on a wider scale, no detail, imperative for the success of any undertaking, is compromised.

SILVER SPONSOR



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.

BRONZE SPONSOR



HILTI

Hilti provides leading-edge technology to the global construction industry. Hilti products, systems and services offer the construction professional innovative solutions with outstanding added value. Hilti excels through outstanding innovation, top quality, direct customer relations and effective marketing. Two-thirds of the employees work directly for the customer in sales organizations and in engineering, which means a total of more than 200,000 customer contacts every day.

Hilti upholds a clear value orientation and pursues a policy of stakeholder value. Integrating the interests of all the company's partners - customers, suppliers and employees - into its strategy and actively honoring its social and ecological responsibility creates the foundation of trust that makes possible the long-term success of the company.

KEY SPONSORS

Conference Bag Sponsorship - Pertronic Industries

Fire NZ Cafeteria - Pertronic Industries

Gala Dinner Sponsorship - AON

ID Lanyard Sponsorship - Kingspan Insulated Panels

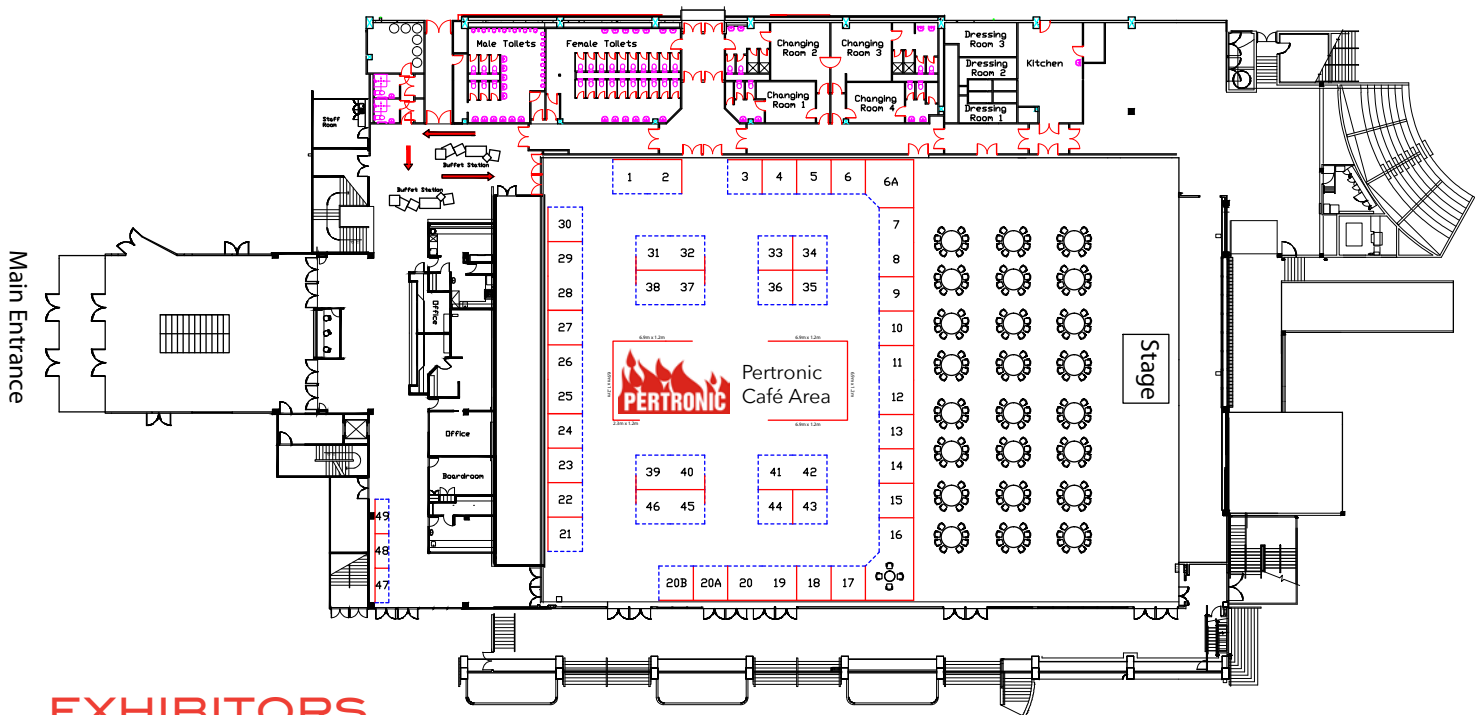
Presidents Dinner Sponsorship - TBC

Delegates Breakfast - Fire Security Services

Gift Sponsorship - TBC



EXHIBITION FLOORPLAN



EXHIBITORS

Company	Booth No.	Company	Booth No.
Alarm New Zealand Ltd	22	FPANZ/Halon/T&T Publishing/Burns Trust and Wellington Free Ambulance	16
ALGOTECH Fire Protection	34	H.J. Asmuss & Co Ltd	9
Altex Coatings	10	Hilti NZ Ltd	43
AMPAC Pacific Ltd	11/12	Holyoake Industries Limited	45/46
APC Techsafe	15	HONEYWELL Fire Safety	1/2
Automatic Fire Alarm Monitoring	3	Hydroflow Dist	19
Bensan Distribution	25/26	Loktronic Limited	5
BONDOR New Zealand Ltd	4	Lorient PTY LTD	44
BRANZ	36	Metalcraft Industries	14
BROOKS New Zealand	41/42	NAFFCO	33
Chubb New Zealand Limited	24	Pertronic Industries Limited	39/40
Coating Technologies LTD	23	PSL Fire and Safety Systems	13
Colt Products and Systems	17	Steel & Tube Holdings	28/29
Ecoglo International	21	Tasman Tanks New Zealand	35
Electropar Preformed Line Products	6	Tycab NZ Limited	30
ERICO	20A	Tyco Fire Protection Products	7/8
Fire Group Consulting LTD	27	Victaulic Australia Pty Ltd	20
Fire Protection Technologies	31/32	Viking	20B
Fire Security Services	Coffee Cart	Winstone Wallboards	37/38
		Xtralix	18

WELCOME

Fire NZ is the annual forum for Fire Protection and Fire Engineering professionals. This two day event provides a comprehensive national forum for fire industry professionals and draws delegates from a variety of places and countries throughout the Pacific.

This year, keynote speakers have been invited from the USA, UK, Australia and New Zealand. The conference programme is designed to provide insight and learning and to extend current thoughts on the various speakers presentation topics, and will provide robust debate around key industry issues.

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

Fire NZ delegates are industry professionals, with a strong interest in the latest developments across fire protection and related products and services. To meet this demand we have set up a new series of interactive events.

WEBSITE

The FireNZ information will be found on the FPA website with news and updates of the FireNZ 2015. The website will be the means by which we keep delegates and exhibitors up to date with the event.

PLENARY SESSIONS DAY 1

We have a total of four streams to cover a wide range of topics of interest within the theme of this year's conference - Design, Safety and Innovation.

This allows delegates and other to attend a session that allows them to make the best value out of these specific workshops and gain valuable opportunity to attend a networking event at the conclusion of the day 1 sessions.

EXHIBITION

Entry to the Fire NZ 2015 Exhibition is FREE to anyone with an interest in the fire industry. Registration is not required to visit the Exhibition. A visitor sign in book will be available at the entrance for visitors to sign in. 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 in the fire industry products and services all assembled together in one place.

ACCOMMODATION OPTIONS

There are plenty of options for accommodation in Wellington that are a walking distance from the TSB Arena, however please see the discounted options available for FPANZ Conference Delegates. To collect these rates and receive the discounts, please book through the hotel website using the codes provided below.

COPTHORNE HOTEL

Oriental Bay, Wellington.
Phone (04) 385 0279
<http://www.millenniumhotels.co.nz/copthorneorientalbay>



Just moments from the City Centre, Te Papa Museum and Courtenay Place, the Hotel boasts its prime position overlooking one of the most beautiful harbours in the world.

Superior Rooms: \$195.00 per night
Discount availability: 14th - 18th of October
Please enter your booking through this link in order to receive the FIRENZ discount: www.millenniumhotels.co.nz/nz/FIRENZ15

RYDGES WELLINGTON

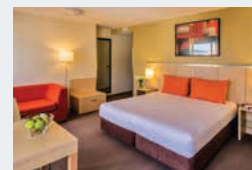
75 Featherston Street, Wellington.
Phone (04) 499 8686



Located downtown with harbour views and city outlooks. Close distance to the Westpac Stadium, Queens Wharf, Wellington Railway Station, Ferry terminals and Lambton Quay. Walking distance to the TSB Arena. Superior Rooms: \$199.00 per night
Discount availability: 14th - 18th of October
Please quote the following to access the discount: **x-FPA1015**
<http://www.rydges.com/wellington>

TRAVELodge WELLINGTON

2-6 Gilmer Terrace, Wellington.
Phone (04) 499 9911



The Travel Lodge will offer everyone attending the FireNZ conference a 10% discount off the best available room rate.

Please call the hotel Reservations team on (04) 499 9911 and quote "FIRE PROTECTION NZ" to access the discount
www.travelodgehotels.com.au/wellington

JAMES COOK HOTEL GRAND CHANCELLOR

147 The Terrace, Wellington (or lift access via James Cook Arcade on Lambton Quay). Phone: 04 495 0279
Email: groups@jamescookhotel.co.nz



\$210.00 Room Only per Run of House Room inc GST
Rates quoted are per room, per night on a single occupancy. Rooms & rates are held until 08/09/2015. After this date all rooms and rates are subject to availability.

Online booking link: <https://www.grandchancellorhotels.com/nz/jamescookwellington> - Attendee Code: 180963

PROGRAMME

THURSDAY 15TH OCTOBER 2015

PUBLIC DEMONSTRATIONS IN FRONT OF TSB ARENA

Demonstration One	Demonstration Two	Demonstration Three
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7.30am - 8.00am	REGISTRATION: All Delegates
8.15am - 8.30am	Opening Address
8.30am - 9.15am	Keynote Speaker - NFPA
9.15am - 10.00am	Speaker: IFE John Buckheit - High Rise Buildings
10.00am - 10.45am	<i>Morning Tea - Exhibitors Area</i>
10.45am - 11.15am	Speaker: SFPE Martin Feeney Holmes Fire - ASB North Wharf - A case study for innovation and change during the design and construction process
11.15am - 11.45am	Speaker: IFE Steve Hamm - Business Community Resilience
11.45am - 12.30pm	Speaker: SFPE David Youssef - Docklands High-rise Apartment Fire - Managing Community Consequence Case Study
12.30pm - 1.30pm	<i>Lunch - Exhibitors Area</i>

1.30pm - 3.15pm WORKSHOP SESSIONS

	Workshop 1 - FPANZ	Workshop 2 - IFE	Workshop 3 - SFPE	Workshop 4 - FPANZ/Design
1.30pm - 2.30pm Session One	Matthew Wright <i>Product Compliance the Australian Model</i>	Steve Hamm <i>London Olympics</i>	<i>Driving creativity in the film or advertising industry.</i>	David Molnar - Victaulic <i>Revit pipe routing, BIM best practices and coordination</i>
2.30pm - 3.15pm Session Two	Lance Hunt <i>Portable Fire Equipment Certification/Product Listing</i> Ela Langford <i>Evacuation of Buildings and a Code of Practice</i>	Alan Kerr <i>Rio Olympics</i>	<i>Driving creativity in the highly regulated Aviation Industry.</i>	David Molnar - Victaulic

3.15pm - 3.45pm	<i>Afternoon Tea - Exhibitors Area</i>
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3.45pm - 5.15pm WORKSHOP SESSIONS

	Workshop 1 - FPANZ	Workshop 2 - IFE	Workshop 3 - SFPE	Workshop 4 - FPANZ/Design
3:45pm- 4:30pm Session Three	Competenz <i>Training in the Industry the Future of Qualifications!</i>	<i>Couch Session with</i> John Buckheit, David Youssef and Daryn Glasgow - Q&A	<i>Fire Engineering Case Study</i>	David Molnar - Victaulic
4:30pm-5:15pm Session Four	Aaron Grey <i>A Software approach to passive system information</i>	<i>Couch Session with</i> John Buckheit, David Youssef and Daryn Glasgow - Q&A	<i>Presentation of Ideas to regulators and obtain feedback</i>	David Molnar - Victaulic

5.15pm - 6.15pm	AGM - IFE and SFPE
	SIG Group Meetings - EVAC, PASSIVE and INSPECTORATE
	Drinks and Canapés - Exhibition Area
6.15pm - 10.30pm	<i>Gala Dinner and Event - TSB Arena</i>



AON FIRENZ CONFERENCE DINNER

The Fire NZ Conference Dinner is sponsored by AON and will be held on Thursday 15th October.

This year's Conference Dinner will begin at 6:15pm followed by some entertainment which will involve it being themed around the Rugby World Cup, we will have each table allocated with a Country and battle it out with interesting games and activities to see who will be crowned the champion, with prizes to be won.

Since interest in attending this event is high, we urge you to make your reservation as soon as possible.

Please complete and return the registration form to: amelia@fireprotection.org.nz



FRIDAY 16TH OCTOBER 2015

PUBLIC DEMONSTRATIONS IN FRONT OF TSB ARENA

Demonstration One	Demonstration Two	Demonstration Three
7.30am - 8.30am	Delegates Breakfast/HOFFE Meeting	

OPTION 1: SITE VISITS

Busses depart 8.30am - Return to TSB 12.00pm	#1 BRANZ - Refer to page 10	#2 Pertronic and Fraser Engineering - Refer to page 10
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OPTION 2: SPEAKERS

8:30am - 9:10am	Speaker: SFPE Ben Hume and Kevin Weller - <i>FDS and Sprinklers</i>
9:10am - 9:40am	Speaker: FPANZ Satya Nand - <i>COTEC Innovative Solutions Designed into new generation of Passive Fire Protection Coatings.</i>
9:40am - 10:00am	Platinum Speaker: Hans Gerlich - <i>Post-Fire Stability</i>
10:00am - 10:45am	<i>Morning Tea - Exhibitors Area</i>
10:45am - 11:15am	Speaker: FPANZ David Molnar - <i>Victaulic BIM requirements become the norm, what does that mean for industry?</i>
11:15am - 12:00pm	Speaker: Eddie Tieppo - <i>Xtralis - Innovation and Early Warning Detection.</i>
12:00pm - 12:30pm	Speaker: FPANZ Dr Geoff Thomas - <i>Sustainable Building Features and Fire Safety.</i>
12.30pm - 1.30pm	<i>Lunch - Exhibitors Area</i>
1:30pm - 2:00pm	Speaker: FPANZ Peter Whiting BRANZ - <i>Fire Compliance Testing for interior surface finishes.</i>
2:00pm - 2:30pm	Platinum Speaker: David Percy Pertronic
2:30pm - 3:00pm	Speaker: FPANZ Michael Belsham MBIE
3:00pm - 3:30pm	<i>Afternoon Tea - Exhibitors Area</i>
3:30pm - 4:00pm	Speaker: SFPE Mohd Zahir - <i>Carpark Fires</i>
4:00pm - 4:30pm	Speaker: SFPE Geoff Merryweather - <i>Bomb in the Basement - risk assessment of basement plant rooms</i>
4:30pm - 5:00pm	<i>Wrap up of the Conference</i>



WORKSHOPS

Thursday 15th October, 1.30pm - 5.15pm



FPANZ Workshop Stream

Session 1

Matthew Wright - The Increased Profile of Product Compliance - FPA Australia's Response.

Fire Protection Association Australia has been championing changes and improvements into the requirements for demonstrating products are fit-for-purpose in Australia for over two years.

Reductions in local manufacturing have increased Australia's participation in the global economy for building products and free trade agreements established to foster this, are predicated on reducing technical barriers to trade in pursuit of broad productivity gains.

Recent high profile incidents including the identification of inferior electrical cable and the ongoing investigations into the Lacrosse building fire and associated cladding material have increased the profile of product compliance and brought into question what impact the current flexible product assessment options are having on safety.

This presentation will discuss FPA Australia's position and the conceptual risk based framework that the Association has presented to government aimed at ensuring safety objectives are delivered.

Session 2

Lance Hunt - Portable Fire Equipment Certification/ Product Listing. Ela Langford - Evacuation of Buildings and a Code of Practice.

Session 3

Competenz - Training in the Industry - The Future of Qualifications

Session 4

Aaron Grey - A software approach to passive system information.

Thursday 15th October, 1.30pm - 5.15pm



SFPE Workshop Stream

Driving Creativity and Innovation in a regulated Fire Engineering environment

Come and take part in the best SFPE workshop ever. You will be working collaboratively in teams to create a concept fire engineering design that pushes the limits of possibilities, and then present it to another team who will act as the regulator. You will explore the creative process, gain skills in presenting challenging concepts to a regulator and understand the issues that regulators face with unconventional designs.

1.30 - 2.00

Guest Speaker from **Weta Workshops** will talk about the creative process when the sky is the limit.

2.00 - 2.30

Introduction to the design brief. Teams explore your design brief.

2.30 - 3.00

Damian Camp, CEO of Pacific Aerospace Ltd - Designing for the highly regulated aviation industry.

3.00 - 3.30

Team brainstorming design session and afternoon tea.

3.45 - 4.15

Chris Rutledge from MBIE - Using the Alternative Solution route for driving innovative designs.

4.15 - 4.35

Teams prepare your concept design for presentation to the regulators

4.35 - 4.55

Teams present your design to another team who will act as the regulator.
10 minutes per presentation.

4.55 - 5.15

Key learnings



Thursday 15th October, 1.30pm - 5.15pm

IFE Workshop Stream

Climbing High - *informal couch discussion on high-rise building advancements*

- Session 1** **Steve Hamm: London Olympics.** How the London Fire Brigade planned for this event from preplanning including mass evacuation and fire safety and design approvals through to responses during the event and business continuity.
- Session 2** **Alan Kerr: Rio Olympics.** We now look at how the pre - planning of the Rio Olympics is looking and how this compares to the London Olympics. Have they incorporated any lessons learnt from the London Olympics.
- Session 3 & 4** **All you wanted to know on high-rise.** An informal interactive session with some specialists in the high-rise building arena. Their backgrounds in design, firefighting, evacuation and fire investigation. We will discuss lessons learnt from recent high-rise fires, some new techniques being used by fire services and how different countries deal with the evacuation of the buildings.
- This is a Q&A session where you can ask tough questions that you have always want to know the answers too. It is an open style discussion so that we can all learn on the advances in modern technology in high-rise buildings and get a peek at newest high-rise to be built in NZ.*



Victaulic Design Workshop

Contractors and engineers look to the experienced and trusted Victaulic Piping Coordinators to train their teams on piping best practices, prefabrication and coordination. Training event will include Revit pipe routing, BIM best practices and coordination, and lean prefabrication techniques.

Victaulic 1 Day Group Training includes:

- Revit Preference and Smart Family Set up
- Victaulic Tool Bar Setup
- Scheduling
- Working Sharing and Revision Control
- Victaulic Procurement Tool Training
- Custom Tagging and Assemblies
- Template Set Up

Thursday 15th October, 1.30pm - 5.15pm



SITE VISITS

Friday 16th October, 8.30am - 12.00pm



PERTRONIC

Pertronic industries is one of only two manufacturers of automatic fire alarm control equipment in New Zealand. The site visit will give delegates an overview of the company's operations, including product support, lean line production, operation of the automated surface mount printed circuit board assembly system, and fire panel assembly. Pertronic Industries has 73 people employed at their Wingate facility. Unfortunately for reasons of commercial confidentiality, the tour will not be able to include the R&D area.

Friday 16th October, 8.30am - 12.00pm



FRASER ENGINEERING

Fraser Engineering Group is a customer focussed company that utilises the latest CNC technology to produce quality components and products. We will work independently or alongside you to find the best solution for your project, using our 3D software to visually communicate throughout the process. We are an engineering company who also design and manufacture fire appliances and we can tackle any project, from simple and small components, to large scale architectural builds.

Friday 16th October, 8.30am - 12.00pm



BRANZ

A demonstration fire test will be carried out in the BRANZ Fire Test Laboratory on the small Pilot furnace (1.0 m x 2.2 m). The tested specimen will be configured to show the impact of incorrect specification or installation of passive fire protection features into a wall that is required to be a fire rated wall. It is expected that the test will run for approximately 30 minutes.



SPEAKERS & PRESENTATIONS

OPENING ADDRESS

Thursday 15th October, 8.15am - 8.30am

Key International Speaker presented by FPA NZ: NFPA

Thursday 15th October, 8.30am - 9.15am



Key International Speaker presented by IFE: John Buckheit

Thursday 15th October, 9.15am - 10.00am

John Buckheit is a New York City Fire Chief with nearly three decades of firefighting and emergency response experience. Growing up on the South Shore of Long Island, New York, John put himself through college while working numerous jobs, including off-shore fishing and masonry. He was Department Scholar in 1984, and graduated Magna Cum Laude in 1985 with a degree in Geology, engineering track, from the State University of New York at Brockport.

In 1986 John joined the Fire Department of New York and was assigned Downtown Brooklyn. Five years later he transferred to Squad 41, South Bronx, into the second busiest unit of the City's ~350 Companies. Crack cocaine and abandoned buildings resulted in high fire rates in the area with the fire units continuously being tested for skill, tactical, and strategic readiness. John would earn six awards for rescues and outstanding fire ground operations during this time.

Firefighter Buckheit turned down promotion to Fire Marshall (responsible for fire investigation and arson apprehension) in 1993, but became Lieutenant Buckheit in 1996 and continued working in economically depressed neighbourhoods. In 2002 he became a Captain, working in a factory and then a mixed area. In 2008 He became a Battalion Chief in Midtown Manhattan, responsible for administration, training, and emergency operation of 7 fire units, comprised of 7 Captains, 21 Lieutenants, and 140 Firefighters. The area has hundreds of Hi-Rise buildings, thousands of occupancies, hundreds of thousands of residents, commuters, and visitors; as well as such critical infrastructure features as Penn Station Transportation Hub, Lincoln Tunnel, Madison Square Garden Arena, Empire State Building, Macy's Department Store, The Google Building, et cetera.

Chief Buckheit studied for Deputy Chief, qualified, and is pending promotion. At the same time he earned his Graduate Degree, Sum Cum Laude, in Protection Management, from John Jay College. He has taught and lectured across the United States on forcible entry techniques, "reading buildings" (size-up techniques), and High-Rise Building fire operations. He has sat on numerous development and review boards within the FDNY and for Fire Engineering of Penn Well Corporation on current fire service topics. Chief Buckheit also worked overseas in South America developing and delivering training for fire departments for a non-profit group, Mutual Aid Americas, as well as currently doing risk assessment and countermeasure selection with a private enterprise for a complex in South East Asia.

Aside from all the work John enjoys a peaceful home life with his family, enjoys surfing, spearfishing, sea-kayaking, and winter camping/ mountaineering.



Speaker: Martin Feeney

Thursday 15th October, 10.45am - 11.15am

Martin Feeney is a Principal and Senior Fire Safety Strategist with consulting fire engineering firm Holmes Fire, based in Auckland. He has a Master's degree in Fire Engineering from the University of Canterbury.

During his 30 years of consulting engineering he has developed expertise in performance based fire safety design for a wide range of building types. Like many Aucklanders, he is happy to express his opinion when asked, and often when not. He is passionate about performance based design and motivated to push for continual improvement in standards of applied fire safety. He is a Chartered Professional Engineer in New Zealand and Past-President of the New Zealand Chapter of the Society of Fire Protection Engineers.



Key International Speaker presented by IFE: Steve Hamm

Thursday 15th October, 11.15am - 11.45am

Steve is currently the IFE International President, Director of CFOA National Resilience Ltd in the UK and his portfolio deals with business development, assurance of resilience capabilities and overseas opportunities. He has an extensive career background in the UK fire and rescue service, his last appointment being as Assistant Commissioner with the London Fire Brigade until 2014 where he was responsible for Operational

continued overleaf...

SPEAKERS & PRESENTATIONS

Resilience. This portfolio covered aspects such as the Operational Planning for significant events in London, Contingency Planning for a range of scenarios, delivering the London Fire Brigade Emergency Planning responsibilities and the delivery of Specialist Operational Capabilities in London, including components of the Fire and Rescue National Resilience programme.

For the Olympic and Paralympic games in 2012 Steve undertook a Gold Command role in London and was involved in the work required to ensure that specific measures for the games were correctly planned, implemented and tested.

Steve has a broad experience base in strategic operational command and has attended a number of high profile events in London, including the civil disturbances of 2011 and the Vauxhall helicopter crash in Central London in 2013. In 2014 Steve was heavily involved in the command and control arrangements for the flooding that affected large parts of the UK.

Steve has over 25 years of experience in the Fire and Rescue Service following a period of service in the Royal Air Force and he is a Chartered Fire Engineer. He is currently a director of CFOA National Resilience and also a Director and the Vice Chair of the board of the Institution of Fire Engineers, and will become the Institutions International President in July 2015. He is also a director of London Fire Brigade Enterprises Ltd.



Key International Speaker presented by SFPE: David Youssef

Thursday 15th October, 11.45am - 12.30pm

David joined the MFB as a recruit fire fighter in 1985, after serving for a number of years as an SES volunteer. During his 30 year career he has undertaken lengthy and rewarding placements with Civil Aviation Authority - Rescue Fire Fighting Service, Brampton Fire Department, Ontario, Canada, and the Victorian Department of Justice.

David leads MFB's service delivery to the North West Metro Region which covers the Northern, Western and Central suburbs of Melbourne, inclusive of industrial areas and incorporating 27 Major Hazard Facilities as well as a growing inner city residential component. The region comprises a large multicultural population, major airports and hospitals, the CBD and port and harbour facilities. There are 1100 operational and corporate staff in three district offices and 29 fire stations, with 54 appliances providing 24/7 fire and emergency services to 2.2 million citizens across 13 municipalities.

David routinely performs the role of MFB State Agency Commander on the State Control Team and has particular interest in the use of technology in multi-agency incident management. He has recently led the introduction of MFB's IT based fire ground accountability system linked to Automatic Vehicle Location technology. He was also the joint lead end user of the Bushfire CRC FIRE-DST project and is currently leading the MFB's FIRECOM replacement project.



Speaker: Ben Hume

Friday 16th October, 8.30am - 9.10am

Ben Hume is a Technical Director at Beca in Fire Engineering. Having studied Mechanical and Fire Engineering at the University of Canterbury, he joined Arup in London where he developed and lead the advanced fire modelling team. On returning to New Zealand, he joined Beca and is now involved on a number of fire specific and multidiscipline projects while leading Beca's Central North Island Building Services -team. Ben specialises in advanced fire modelling techniques such as FDS and the development of engineered solutions.



Speaker: Kevin Weller

Kevin Weller is a fire engineer with Beca, based in Tauranga. He is the Chair of the Beca Advanced Fire Modeling team, and is experienced in CFD fire modeling, and specializes in specific fire engineering design of commercial buildings. He has recently completed his studies towards a Masters of Engineering Studies in Fire Engineering at the University of Canterbury.

Speaker: Satya Nand

BSc (Chemistry / Physics), Post Graduate Diploma in International Marketing

Friday 16th October, 9.10am - 9.40am

Work Experience: 30 years with Akzonobel (world's largest paint manufacturer). Worked in various roles, last being as Business Manager (Middle East and Africa) looking after Coil and Extrusion Business.

Worked in Various countries: New Zealand / Australia / Malaysia / Middle East / Africa

Started with Coating Technologies Ltd in April as Business Manager to manage sales in New Zealand and Regional countries.

Platinum Speaker: Hans Gerlich

Friday 16th October, 9.40am - 10.00am

Hans Gerlich is a Chartered Professional Engineer and Technical Manager for Winstone Wallboards Ltd. and has worked in consulting, research and development, product appraisal, local authority building control, and for the last 20+ years in the plasterboard industry with special interest in structural engineering, fire engineering and the regulatory environment.

Speaker: David Molnar

Friday 16th October, 10.45am - 11.15am

As BIM requirements become the norm what does this mean for the industry? How can a software choice, the use of smart content, increased fabrication and field acceptance increase profitability for Engineers, Contractors, Owners, and General Contractors? How can your choice of software and content bring all of these parties together to create a more profitable environment? Often BIM is primarily thought about as a drafting department task. BIM has to be accepted and implemented in each department; Estimation, Drawing, Purchasing, Fabrication, and Field Install.

The Victaulic Toolbar for Revit combined with Victaulic's smart families is designed to allow the contractor and engineer to increase modelling efficiencies, procurement accuracy and fabrication timeliness. It is one example of how companies have to look at new solutions to issues during pre-construction. BIM is forcing contractors to re-look at how they see the front office, and with the utilization of BIM this is becoming increasingly apparent.

Just as CAD and prefabrication have revolutionized the design and construction functions and become the industry norm, BIM processes are set to become standard practice for efficient life cycle management of building projects. Understanding the importance smart modelling and content within the BIM process will help companies remain on the forefront of the BIM revolution.



International Speaker: Eddie Tieppo

Friday 16th October, 11.15am - 12.00pm

Eddie Tieppo has a Degree in Mechanical Engineering, Diploma in Management and 20 years of experience in Fire Detection. During his career Eddie developed markets for Aspirated Smoke Detection in India, China, South East Asia and South Africa within Power, Telecommunications, High Tech Industry and Recreational Facilities for Sydney and Beijing Olympics. He commenced the process of introducing the codes and standards for Aspirated Technology in Beijing and Shanghai and today China has a National Standard. He introduced Aspirated Detection to Correctional Facilities in NSW which is now a standard for these facilities across Australia. Eddie is more recently in the role of Sales Director for Australia, New Zealand, India and South Africa.



Speaker: Dr Geoff Thomas

Friday 16th October, 12.00pm - 12.30pm

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.

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 and development of fire codes. Along with the Victoria's Architecture School's strong focus on sustainability, and in conjunction with colleagues in the field of sustainability he is currently developing a research theme of fire safety and sustainable buildings, their impact one each other and compliance with building codes.

SPEAKERS & PRESENTATIONS



Speaker: Peter Whiting

Friday 16th October, 1.30pm - 2.00pm

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.



Platinum Speaker: David Percy

Friday 16th October, 2.00pm - 2.30pm

David Percy is a Fellow of the Institution of Professional Engineers (FIPENZ) and is the Managing Director of Pertronic Industries Ltd. Pertronic Industries is one of the major fire alarm equipment companies in New Zealand.

He has been involved in the fire protection industry for over 40 years and has served on the NZ Standards Committees involved with the preparation of the New Zealand Standard NZS 4512.



Speaker: Michael Belsham MBIE

Friday 16th October, 2.30pm - 3.00pm

Michael Belsham is a Fire Engineer with the Ministry of Business, Innovation and Employment. Michael has worked for several multi-national companies in New Zealand, Australia & United Kingdom as a fire safety engineering consultant for nearly 20 years. He has a Master's Degree in Fire Engineering from Canterbury University having graduated in 1995.

He has extensive knowledge and experience in Fire Safety Engineering and Fire Protection Systems & Features and Construction Monitoring. He has provided design and construction advice and also has expert knowledge on fire engineering methods and modelling.

Michael spent 10 years working in Wellington and Christchurch to gain Chartership in Fire Engineering. His notable projects were Midland Park Tower, HSBC Tower and Wellington International Airport. His specialist expertise extended to special hazard protection, fire safety in cold storage, and industrial fire risk assessments.

Moving to Scotland in 2006 Michael became Principal Fire Engineer leading several projects including national school redevelopment programme, shopping center extensions, high rise office towers and international energy company headquarters in Aberdeen. Michael also assisted with projects in European Continent and Middle East.

Michael has returned to New Zealand with MBIE and is project lead of the MBIE Fire Programme to develop the strategic direction of fire safety environment for the New Zealand Government.

International Speaker: Mohd Zahir

Friday 16th October, 3.30pm - 4.00pm

Zahir is currently a PhD of Fire Engineering candidate in the University of Canterbury, New Zealand. He graduated from the University of Manchester in Master of Engineering in Chemical Engineering in 2009. After a year stint as a tutor at University Putra Malaysia, Zahir was sent to further his PhD study in University of Canterbury under the sponsorship of Malaysian Government. After he finishes his PhD study, he will eventually go back to his own country,

Malaysia to be a lecturer at his parent university, University Putra Malaysia. Zahir's PhD research is about fire risk analysis in car parking buildings. The main objective of the research is to investigate the level of adequacy of the current and future of fire safety systems in car park buildings. In order to achieve the objective, a probabilistic fire risk analysis method will be developed and the method itself will be a by-product of this research. Zahir currently has been working on compiling design fires for different types of passenger vehicles. He collated numerous of single vehicle experiments data from accessible sources. These data are categorized by their curb weight and probability distribution curves are obtained for each fire severity characteristic.

Analysis of the data shows that the total heat released and the time to peak rate of heat release are shown to exhibit an increasing trend with curb weight. This piece of work leads to another work which characterizes the heat release rate curves for different class of vehicles.

Speaker: Geoff Merryweather

Friday 16th October, 4.00pm - 4.30pm

Geoff Merryweather is a Chartered Professional engineer who was the NZ technical discipline Leader at WSP for 8 years prior to starting Anvil Fire Consultants in 2013. Prior to completing his Masters in Engineering (fire engineering) he was involved in the design, construction and installation of mechanical ventilation systems.

Company:	No. of Attendees:
Attendee 1: <i>Mr/Mrs/Ms/Miss</i> First Name(s) Last Name	
Attendee 2: <i>Mr/Mrs/Ms/Miss</i> First Name(s) Last Name	
Attendee 3: <i>Mr/Mrs/Ms/Miss</i> First Name(s) Last Name	
Attendee 4: <i>Mr/Mrs/Ms/Miss</i> First Name(s) Last Name	
Attendee 5: <i>Mr/Mrs/Ms/Miss</i> First Name(s) Last Name	
Postal Address:	
Postcode	
Contact Name:	Membership discounts apply to conference registrations only: FPANZ <input type="checkbox"/> Platinum Members 25% <input type="checkbox"/> IFE Members 5% <input type="checkbox"/> Gold Members..... 20% <input type="checkbox"/> SFPE Members ... 5% <input type="checkbox"/> Silver Members 15% <input type="checkbox"/> Bronze Members 10% <i>Note: The member price applies to FPANZ, IFE and SFPE USA members only.</i> <input type="checkbox"/> Individual Member 10%
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Registration Fee <small>excl. GST</small>	FPANZ, IFE, SFPE member base price <small>excl. GST</small>	Non Member <small>excl. GST</small>
Full Registration: <i>includes attendance and catering for the full 2 days including conference dinner, workshops, site visit and delegate satchel.</i>	<input type="checkbox"/> \$860	<input type="checkbox"/> \$1060
2 Day Registration: <i>includes attendance and catering for the full 2 days, workshops, site visit and delegate satchel.</i>	<input type="checkbox"/> \$725	<input type="checkbox"/> \$940
One Day Registration: <i>includes attendance workshop or site visit and catering, for the full 1 day (excludes conference dinner and delegate satchel).</i>		
Thursday 15 October 2015	<input type="checkbox"/> \$390	<input type="checkbox"/> \$530
Friday 16 October 2015	<input type="checkbox"/> \$390	<input type="checkbox"/> \$530

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 All cancellations must be made in writing to FPANZ. A cancellation fee of 25% will be charged for cancellations until 14 days prior to the event. No refund will be offered for cancellations 14 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.

Send Completed Registration form to:
 Conference Organiser
 Fire Protection Association NZ
 Private Box 302-372
 North Harbour, Auckland 0751
 Ph: (09) 414-4450, Fax: (09) 414-5707
 Email: fpanz@fireprotection.org.nz
Please note: Registrations must be received no later than Friday 2nd October 2015

Day 1 afternoon attendance options 1:30pm - 5pm tick attendee preferences

Workshop FPA #1 <i>Includes catering and the workshop only.</i>	<input type="checkbox"/> Tick to attend	no. attending	<input type="text"/>
Workshop IFE <i>Includes catering and the workshop only.</i>	<input type="checkbox"/> Tick to attend	no. attending	<input type="text"/>
Workshop SFPE <i>Includes catering and the workshop only.</i>	<input type="checkbox"/> Tick to attend	no. attending	<input type="text"/>
Workshop FPA #2 <i>Includes catering and the workshop only.</i>	<input type="checkbox"/> Tick to attend	no. attending	<input type="text"/>

Day 2 morning options 8am - 12pm tick attendee preferences

Site Visit Branz	<input type="checkbox"/> Tick to attend	no. attending	<input type="text"/>
Site Visit Pertronic & Fraser Engineering	<input type="checkbox"/> Tick to attend	no. attending	<input type="text"/>
FIRENZ Conference Breakfast <i>15th October, 6.45am – 8am.</i>	<input type="checkbox"/> Tick to attend	no. attending	<input type="text"/>

Conference Dinner *(No Membership discount applies to dinner tickets)*

No. of Tickets Ticket Per Head \$156 Corporate Table of 8 \$1250

TOTAL excl. GST \$

Credit Card: Mastercard Visa

Card Number:

Cardholder Name:

Expiry Date: ____/____

Card security code (CSC):
(3-digit number on back of card)

Cardholder's Signature:



Burns Support Charitable Trust
 In support of this organisation, each registration will automatically donate \$5 to the Burns Support Charitable Trust.



Wellington Free Ambulance in support of this organisation a donation will be made.

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