

fire NZ 2022

CONFERENCE & EXHIBITION

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DELEGATES BROCHURE

RELEASE 4



21-23 SEPTEMBER 2022 • TE PAE CONVENTION CENTRE, CHRISTCHURCH, NZ

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

Welcome.



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

FireNZ 2021 will be held in Christchurch, New Zealand 21st – 23rd September 2022.

The conference is once again presented by the Fire Protection Association of New Zealand, the Society of Fire Protection Engineers NZ Chapter, and the Institution of Fire Engineers New Zealand Branch.

Our annual FireNZ national conference has established a reputation as the premier fire industry event for keeping abreast of advancements in all aspects of fire safety in New Zealand.

FireNZ provides a comprehensive national forum for fire industry professionals. It draws delegates from countries throughout the Pacific and keynote speakers from around the world.

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.

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 Risk-Management Personnel
- Fire and Emergency New Zealand Operational and Volunteer Personnel
- Property and Facilities Managers
- System Designers HVAC/Fire

IF YOU HAVE AN INTEREST IN FIRE SAFETY, YOU SHOULD ATTEND.



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 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, Fire and Emergency New Zealand 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 Fire and Emergency NZ, 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 a technical group of Engineering NZ 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.



PLATINUM SPONSORS



WINSTONE WALLBOARDS (GIB)

Every day, passionate and dedicated professionals come together as an industry for the good of all New Zealanders. It's something GIB® is proud to have been a trusted part of for over 90 years.

We put our energy into delivering reliable products, systems and service, along with technical information and support you can trust. Having just launched GIB Weatherline® - a cost effective, high performance rigid air barrier solution, GIB® continues to innovate.



GOLD SPONSORS



ALAN WILSON INSURANCE BROKERS

Alan Wilson Insurance Brokers (AWIB) have been involved in the fire protection industry since 2004.

We're the only specialist fire protection insurance provider for Public & Products Liability & Professional Indemnity.

Our product has been specifically designed for your industry and includes extensions that are normally excluded from general insurances. And yes, we can insure those in the industry who are involved with external combustible cladding.

Our security is Lloyd's of London and we are licensed insurance brokers in New Zealand. Call in and see us and say hello at stand 41 and see how we can help protect you and your business.



SILVER SPONSORS



RYANFIRE

RYANFIRE is a New Zealand based Company whose management has over 35 years experience in the development, manufacture, testing and distribution of passive fire protection products.

The Directors of the company have been involved in the supply of passive fire products to some of the world's most iconic projects in Europe, Middle East and Australasia. This global experience places RYANFIRE in the unique position to advise its clients on the most cost effective solutions to meet the challenges of modern day construction methods.

All products supplied by RYANFIRE are comprehensively tested at internationally accredited test laboratories and meet the national building code requirements.

RYANFIRE has a nationwide team of specialist installers who understand the importance of correct installation methods and how critical that is to the performance of the system in a fire safety event. We believe if you specify RYANFIRE supplied products - you're in safe hands!



BRONZE SPONSORS



DULUX PROTECTIVE COATINGS

Protecting Australasia's assets for more than 80 years, Dulux Protective Coatings provides long term protection against corrosion, chemical attack, graffiti defacement, abrasion and extremes of UV radiation on bridges, commercial buildings, educational and sporting facilities, manufacturing plants, mines, offshore structures, pipelines, power plants and water treatment.

To deliver your vision, fully tintable finishes, brilliant metallic effects and micaceous iron oxide coatings offer both long-term durability and high visual impact.



KEY SPONSORS



ARGUS FIRE PROTECTION

– Coffee Cart Sponsorship

Argus Fire Protection is committed to providing the most advanced and intelligent systems and services to ensure life safety and property protection for some of New Zealand's largest and most prestigious organisations.

We are a New Zealand owned and operated company with a well-established history and a reputation for service, quality and competitiveness that is second to none. We are known for providing fire protection solutions that suit their clients' needs, not tailoring our clients' needs to suit their products or services. Argus Fire Protection is large enough to cope – but small enough to care.



Ministry of Business, Innovation and Employment – Building System Performance

– Lanyard Sponsorship



PERTRONIC INDUSTRIES

– FireNZ Cafeteria

As the leading supplier of fire alarm systems in NZ and employing over 100 staff, Pertronic 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 (currently undergoing expansion), with a sales/support office in Auckland and branches in five Australian states.

Proud to be a regular sponsor of FireNZ, Pertronic will be showcasing the company's latest developments in analogue addressable fire alarm technology.



KEY SPONSORS



VICTAULIC

– Gala Dinner

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.

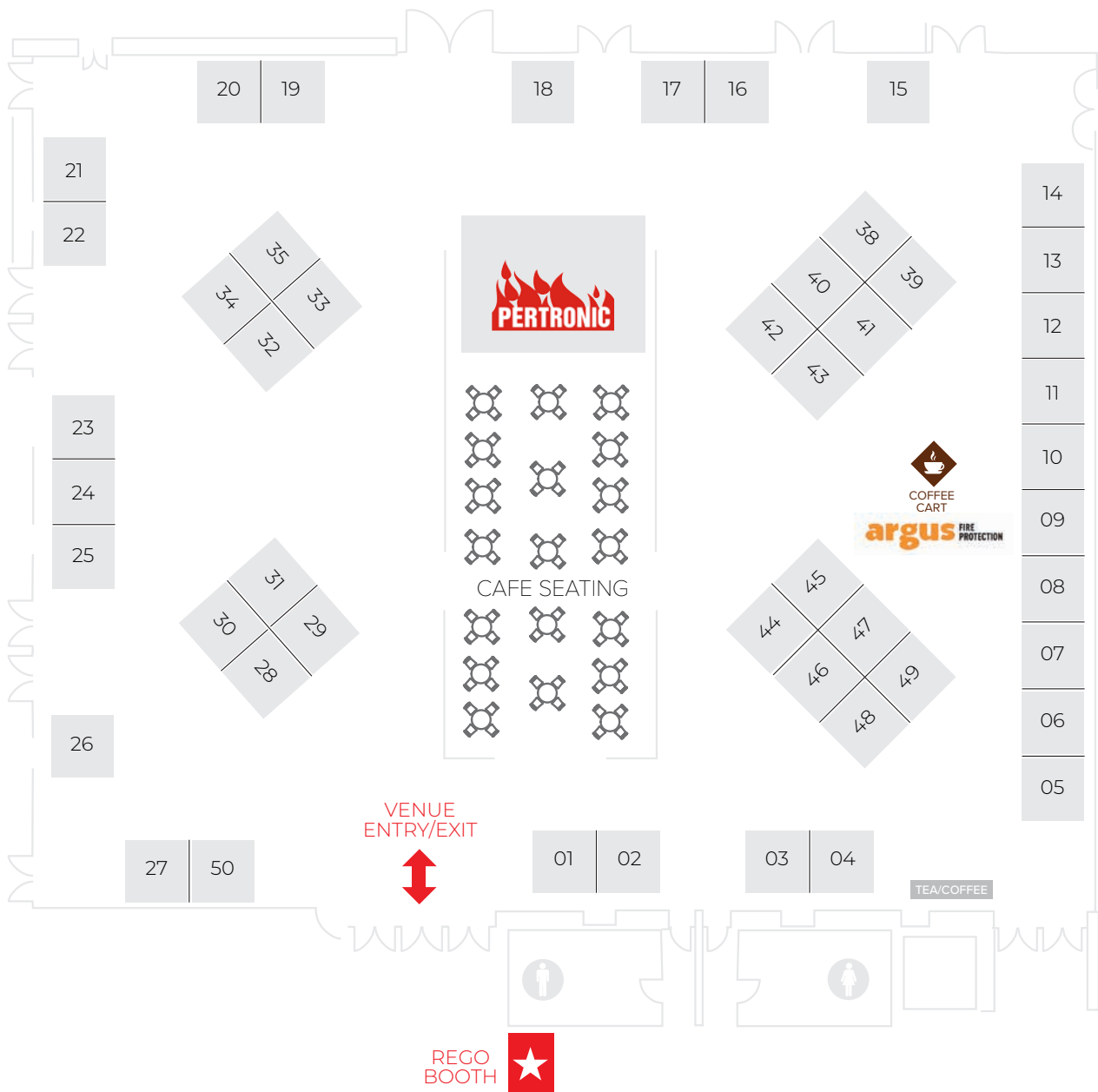
As a leader in the industry, Victaulic continues to develop accredited training and certification programs for the industry's latest trends and technologies.



**WE WISH TO ACKNOWLEDGE AND THANK
ALL OF THE SPONSORS FOR THIS YEAR'S
CONFERENCE AND EXHIBITION**



The Exhibition.



FIRENZ 2022 EXHIBITORS

41	Alan Wilson Insurance Brokers	03/04	Fire Protection Technologies	18	Preformed Line Products
47	Alarm NZ	49	Fire Safety Equipment	9	PSL Fire & Safety
6	Allproof Industries	8	Fireshield Coatings Ltd	48	Reliable Fire Sprinkler (Australia) Pty Ltd
11	Altex Coatings	5	Forman Building Systems	42/43	RyanFire
30	Ampac	12	Hilti	31	Sika (NZ) Ltd
10	APC Techsafe	19	Hydroflow Distributors	38	Steel & Tube
23	Bastion Systems	35	Johnson Controls	26	Tank Vision
14	Beele Australasia	7	Kingspan	21/22	Tech Coatings
44/45	Bensan/Safeworld	46	Kiwi Pipes & Fittings	40	Tenmat
13	BRANZ	24	Konnect Fastening	50	Uptick
27	Certified	39	Notifier by Honeywell	20	Victaulic Australia Pty Ltd
2	Clarinspect	15	Open Polytechnic	16/17	Viking Sales & Service
1	Dulux Protective Coatings	32/33	Pertronic	28/29	Winstone Wallboards
34	Fasteners Direct Global	25	Potters Interior Systems		

Day one

Wednesday 21st September

Registration & Trade Show opens	7.00am	
Opening by MC	8.20am	Brett de Hoedt
Opening address by FPA, IFE, SFPE Presidents	8.35am - 8.50am	Chris Mak, Carol Caldwell, Jason Hill
Opening Note	8.50am - 9.00am	Andrew Sharrad, IFE International President
Keynote Speaker Dr Claire Benson	9.00am - 9.40am	Hydrogen safety: Not if, but when
Keynote Speaker Emma Sutcliffe	9.40am - 10.20am	Will my Electric Vehicle Catch Fire?
MORNING TEA	10.20am - 11.00am	
Speaker Frank Kang	11.00am - 11:30am	Load-bearing timber-framed gypsum plasterboard walls subjected to two-sided fire exposure
Keynote Speaker Inspector John McDonough	11.30am - 12.15pm	Inferno: Through the eyes of a firefighter
LUNCH	12.15pm - 1.15pm	
Speakers Saskia Holditch & Kevin Frank	1.15pm - 1.45pm	QA for fire safety systems
Speakers Dr Klementina Gerova & Jeremy Gall	1.45pm - 2.10pm	A holistic comparison of the design guidance between the NZ and UK Building Regulations
Keynote Speaker Raymond O'Brocki	2.10pm - 2.50pm	Review of Code Development Efforts for Tall Mass Timber Buildings in the US
Speaker Dr Jeremy Chang	2.50pm - 3.15pm	Performance Based Structural Fire Design in NZ - Where are we now and whats next?
AFTERNOON TEA	3.15pm - 4.00pm	
Speakers Prof Andy Buchanan & Dr Colleen Wade	4.00pm - 4.30pm	Fire Safety Engineering in Mass Timber Buildings - issues and solutions
Speaker Akshat Malhotra	4.30pm - 5.00pm	Caution - the contents in the building appear to be moving. Design Fire Stopping accordingly
Conference Close / Recap	5:10pm - 5:20pm	Brett de Hoedt
Drinks and Canapes	5.30pm - 6.30pm	<i>Event for FireNZ Delegates and Exhibitors only</i>

Day two

Thursday 22nd September

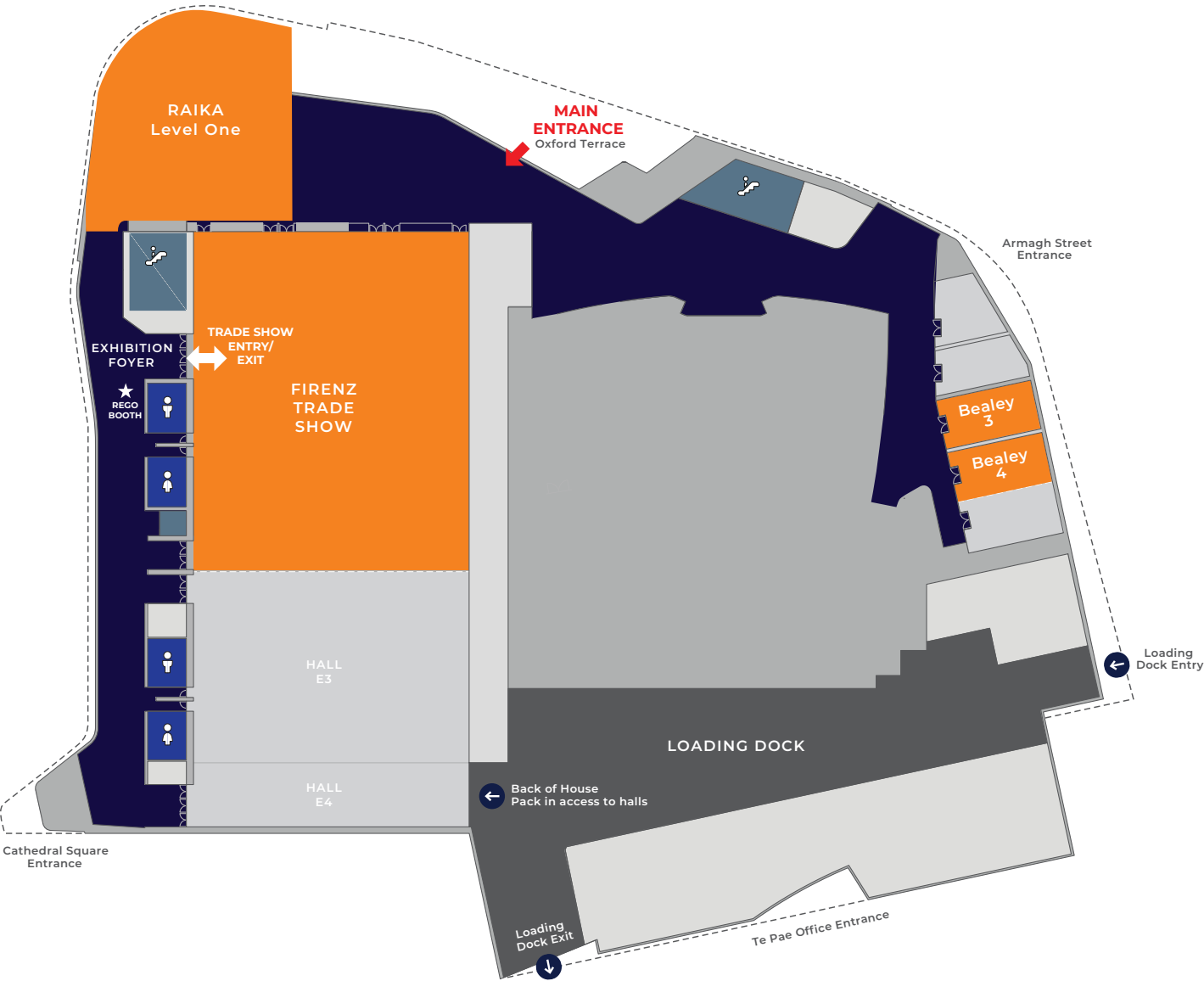
Registration & Trade Show opens	7.30am - 8.30am	
Opening by MC	8.20am	Brett de Hoedt
Speaker George Hare	8.30am - 9.00am	Lithium-Ion batteries - What's the problem?
Speaker Dr Colleen Wade	9.00am - 9.30am	Calculating fire load and charring of timber in mass timber buildings
Speakers Daniel Pau & Dr Dennis Pau	9.30am - 10.00am	Fire Safety in mass timber apartment buildings - case study and design sensitivity
Speaker Prof Charles Fleischmann	10.00am - 10.30am	Smoke explosions, the unexpected and unexplained hazard on the fire ground
MORNING TEA	10.30am - 11.15am	
Speaker Prof Andy Buchanan	11.15am - 11.45am	Encapsulation for mass timber structures
Speaker Michael Belsham	11.45am - 12.10pm	Fire design challenges of modular construction
Speaker Saskia Holditch	12.10pm - 12.35pm	Upcoming changes to C/AS2 in the '22 BC Update
LUNCH	12.35pm - 1.35pm	
Speaker Tania Morgun	1.35pm - 2.05pm	New edition of C/AS1 in the '22 BC Update
Speakers Grant Haggett & James Firestone	2.05pm - 2.35pm	"Fire Drawings – "This is my picture!" - bringing a Fire Report to life.
Keynote Speaker Raymond O'Brocki	2.35pm - 3.00pm	The Importance of Fire Testing in the Code Development Process
Keynote Speaker Inspector John McDonough	3.00pm - 3.25pm	Using water. The right amount in the right format.
AFTERNOON TEA	3.25pm - 3.55pm	
Speaker: Dr Jason Barden	3.55pm - 4.15pm	Environmental impacts excluded from current building design considerations
Keynote Speaker Dr Claire Benson	4.15pm - 4.40pm	Practical barriers to industrial hydrogen safety
Keynote Speaker Emma Sutcliffe	4.40pm - 5.05pm	Identify, Immobilise & Isolate; EV ERGs & emergency response best practice - discussion about ISO & how EV manufacturers can help with responder safety
Conference Close / Recap	5.05pm - 5.10pm	Brett de Hoedt
Drinks and Canapes	5.10pm - 6.30pm	<i>Event for FireNZ Delegates and Exhibitors only</i>
GALA DINNER	6:30pm - 10.30pm	
Close of Day Two		

Day three

Friday 23rd September

Registration & Trade Show opens	7.30am - 8.40am	
Opening by MC	8.40am	Brett de Hoedt
Speaker: Shane Wyatt	8.45am - 9.15am	Intumescent Encapsulation Coatings for Engineered Timber Products
Speaker: Paul Ryan	9.15am - 9.45am	Smoke and Mirrors
Speaker: Matthew Wright	9.45am - 10.15am	Understanding key components of product conformity - the foundation of compliance and safety objectives
MORNING TEA	10.15am - 11.00am	
Q & A Panel discussion with MC and Keynote speakers	11.00am - 12.10pm	Emma Sutcliffe, Dr Claire Benson, Raymond O'Brocki and Insp John McDonough
Formal conference closing address	12.10pm - 12.15pm	Brett, Chris, Jason, Carol
LUNCH	12.15pm - 1.15pm	
Tradeshow Closes	1.15pm	
Presentation - Biswadeep Ghosh, Luke de Schot	1.15pm - 1.45pm	Presentation on Te Pae fire and life safety design <i>Rakaia room</i>
Site Tours x 3	1.45pm - 2.15pm	(15 persons each tour)
Site Tours x 3	2.15pm - 2.45pm	(15 persons each tour)
SFPE Workshop: Peter Whiting (BRANZ), Jason King (Stephenson & Turner), Greg Baker (Fire Research Group)	1.15pm - 2.15pm	Fire testing for Code Compliance <i>Bealey 3</i>
FPA Workshop Llewellyn Mudrovic, Rob Holland	1.15pm - 2.15pm	Safety In Fire Design <i>Bealey 4</i>
AFTERNOON TEA	2.15pm - 2.45pm	<i>Afternoon tea served outside Rakaia room</i>
GIB Workshop	2.45pm - 3.45pm	<i>Rakaia room</i>
FPA Workshop Nicky Marshall	2.45pm - 3.45pm	Building Interface CoP & Workshop <i>Bealey 3</i>
Conference Closes	4.00pm	

Floor Plan



SITE VISIT TE PAE – CHRISTCHURCH CONVENTION & EXHIBITION CENTRE



Rakaia Room
Friday 23rd September 2022
1.15pm – 2.15pm

***Presented by: Mr Biswadeep Ghosh, Fire and Life Safety Manager, WSP
and Mr Luke de Schot, Senior Fire Engineer, WSP***

The aim of this presentation is to outline the fire engineering design features and challenges of Te Pae.

WSP were engaged to provide a range of consulting services including; mechanical, electrical/security, specialist lighting, acoustics, theatre consultancy, sustainability/ESD, AV, hydraulics, vertical transportation, and the main focus of this presentation; fire safety engineering including structural fire engineering and fire protection.

This aim will be achieved by providing a high-level description of the building characteristics, and presenting the fire design strategy, before discussing some unique features of the building and some of the challenges we had as designers during the design and construction phases.

The presentation will be followed by a short tour of the facility.



FIRE TESTING FOR CODE COMPLIANCE



Bealey 3 Room
Friday 23rd September 2022
1.15pm – 2.15pm

Presented by: Peter Whiting (BRANZ), Jason King (Stephenson & Turner), and Greg Baker (Fire Research Group)

This hour-long workshop will deal with three aspects of the fire testing provisions that are required to achieve compliance with the Protection from Fire C-clauses of the NZBC; fire test methods, extended applications of fire testing and research relating to fire testing/acceptance criteria.

The workshop is primarily intended for fire engineers who need to have a working knowledge of the different fire testing methods when carrying out fire engineering designs, although it will also be relevant for building consent officers, product manufacturers, architects and specifiers.

In the first workshop segment, **Peter Whiting** will provide all the relevant details of the various fire testing methods that are nominated in the Acceptable Solutions C/AS1 and C/AS2, and the Verification Method C/VM2. Peter has extensive hands-on experience of fire testing, having worked at BRANZ for over 25 years, where he is currently Fire Testing Team Leader.

The second presenter at the workshop will be **Jason King**, who will provide key information on the extended application of fire testing results which deals with the practical situation that most actual installations of passive fire protection systems differ from the system configurations that have been tested in the laboratory. Jason has been involved in fire testing and fire engineering over a number of decades, having been Fire Testing Manager at BRANZ in the 1990's and currently as Associate Principal Fire Engineer at consultancy Stephenson & Turner based in Wellington.

The third part of the workshop will be given by **Greg Baker** who will summarise current national and international research that deals with fire testing methods and hence possible changes that may be on the horizon. Greg is currently a fire researcher at Fire Research Group based in Wellington.

The workshop format will be three 15-minute presentations, followed by 5 minutes Q&A after each presentation.



SAFETY IN FIRE DESIGN

Bealey 4 Room
Friday 23rd September 2022
1.15pm – 2.15pm



Presented by: Mr Rob Holland and Mr Llewellyn Mudrovic

With the advent of the Health and Safety at Work Act 2015, there is now an obligation on all designers of buildings and the various systems within them, to consider the safety of those who build, use and demolish them. Contrary perhaps to the opinion of some, fire engineers are considered to be 'designers' by s14 of the Building Act and HSW Act and are therefore obligated to fulfill their duties under the HSW Act.

SFPE(NZ) has also recently published their opinion in the Construction Monitoring Guide which states a designer is anyone who directly or indirectly influences the construction, maintenance or demolition of any element of construction.

Therefore, as fire safety engineers or fire protection system designers, we must consider the principles of 'safety in design'.

This presentation will introduce some basic Safety in Design principles as well as propose some aspects of fire safety engineering and fire protection system design which you should consider for your next project. The ideas that will be presented are the product of a working group of experienced and respected professionals in both the fire safety engineering and fire protection design industries.

The intention of this working group was to not only improve the cross-pollination of ideas between these two industries but increase the safety of everyone who works in these industries as well as the users of the buildings we design together.



LAUNCHING THE FPANZ BUILDING INTERFACE COP *and Q&A session*



Bealey 3 Room
Friday 23rd September 2022
2.45pm – 3.45pm

Presented by: Ms Nicky Marshall

Building fire safety systems are regularly interfaced with other building services to address the life safety needs of building occupants in the event of fire. In 2020, the Fire Protection Association New Zealand gathered a voluntary group of organisations and industries to develop this document, which addresses the issues arising through various stages of design, construction, and building use involving such integration of building systems.

The group has aimed to outline expectations at each stage from building design through to building use. By clarifying and expanding on requirements from such documents as the MBIE Compliance Schedule Handbook and various standards it is hoped that this Code of Practice will assist all parties involved to design, install, commission, certify, approve, test, and maintain integrated systems in ways that ensure correct operation and ultimately the safety of building occupants in the event of fire.

This Code of Practice is intended as a guide for specifiers, designers, installers, approvers, certifiers, service providers, and owners of fire protection systems and buildings in New Zealand and supplements other available documents such as NZS 4512, NZS 4541, and the MBIE Compliance Schedule Handbook, which identify the need for such interfaces but do not provide detailed guidance as to how they should be implemented, documented, or tested.

The purpose of this Code of Practice is to provide guidance for the specification, design, installation, commissioning, certification, documentation, maintenance, and routine testing of integrated fire safety systems installed to protect human life and property. The intention is to ensure that the active interconnections and interfaces between the various systems in a building are considered together as a whole, rather than independently of each other. A crucial component of this is the documentation necessary to convey what systems are integrated, the functional purpose of the interconnections, and the regular testing requirements for such systems interfaces.

Scope

This document contains general information to assist in the specification, design, installation, commissioning, certification, documentation, testing, and maintenance of integrated building systems. The focus is on life safety and Compliance Schedule Specified Systems, and how particular building systems need to be integrated to achieve the correct operation required in a 'Fire' or 'danger' state.



GIB® WORKSHOP

Rakaia Room
Friday 23rd September 2022
2.45pm – 3.45pm



Presented by: Simon Cooper and the GIB® Technical Engineering team

Winstone Wallboards' new Tauriko factory and distribution centre is rapidly taking shape. On track to be producing GIB® plasterboard from mid-2023, a third of the main warehouse and half of the 6-storey high mill and formulation tower has already been erected - and the structure of the gypsum storage shed is hot on its heels.

Once completed, the 12.7 hectare Tauriko development will be home to one of the largest plasterboard manufacturing facilities in Australasia. With 63,000sqm of buildings (that's more than seven rugby fields!), the site will provide 1.5 times the manufacturing capacity of Winstone Wallboards' existing Auckland plant with scope for further expansion. Not only that, but by providing facilities for compound manufacture, plasterboard manufacture and distribution all on the one site, this highly anticipated Tauriko development really will be in a class of its own.

Join Simon Cooper – Project Transition Lead, as he discusses the thrill of learning and starting up a new plant, building a highly effective team and continuing to contribute towards building New Zealand, where every board, bag and pail is produced and delivered with such pride.”

Followed by members from the GIB® Technical Engineering team, as they engage with the audience for a facilitated discussion on fire rated service penetration, construction sequencing, fire testing method and other topics of interest.



Keynote Speakers



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

Dr Claire Benson

Safety & Compliance Officer – **Fabrum Solutions Ltd**

Dr Claire M. Benson is a fire scientist and engineer working as a safety & compliance professional at Fabrum AFCryo. Prior to coming to NZ, as an academic Claire was actively involved in research and consultancy work for over 17 years, testing fuels and materials, and working to improve industrial, aviation and building fire hazards. She has a BSc (hons) degree in forensic science, and a PhD in chemical engineering specialising in high pressure oxygen system safety for aerospace.

She has conducted research for the London Fire Brigade, Sellafeld Ltd and the UK Ministry of Defence, and collaborated with the British Standards Institution, the UK Health and Safety Executive, and numerous aerospace and industrial engineering companies.

She is also a Member of the Institute of Fire Engineers New Zealand branch council. Most recently her work has focused on hydrogen safety in a variety of industrial contexts, and her research interests include building fire safety, and fire investigation methods.



WEDNESDAY
9.00am - 9.40am

THURSDAY
4.25pm-4.55pm

Inspector John McDonough

FRNSW, Australia

John has been a professional firefighter for 35 years and is an Inspector with the Fire and Rescue NSW (FRNSW). He is currently an operational Duty Commander in charge of 14 stations in the busy inner west zone of Sydney. From 2003 to 2017, he was Team Leader of the Fire Operational Training Team. This team trains all firefighter and officers in structural fire behaviour and fire fighting techniques and tactics.

After returning from a study trip to Sweden and the UK in 2002, he was tasked with the introduction of modern fire behaviour based firefighting techniques and tactics specifically developed to make the role of firefighters safer and more effective. These skills were taught within a training program known globally as Compartment Fire Behaviour Training (CFBT). Over the last 17 years, this has developed into a standardised doctrine for how FRNSW firefighters act and behave at the task and tactical level. It is taught at all levels from recruit to Station Officer.

He has travelled extensively in order to study modern firefighting trends and benchmark against these for world's best practice in developing training programs. He has delivered fire training courses in Germany, Croatia, Belgium, Poland, France, Canada, Hong Kong and the US. In Europe alone he has trained over 500 fire behaviour instructors. He is a founding member of the International Fire Instructors Workshop (IFIW).

He was a lead instructor on the Canadian 'F.I.R.E – Firefighting, Instruction, Research and Engineering' project, designed to reduce risks and impacts due to fire. This project trained instructors from a number of Canadian Provinces and developed a freely available online fire dynamics training program (2013 – 2018). He was also one of four international experts selected as a panel member for the 'Study of the Impact of Fire Attack Utilizing Interior and Exterior Streams on Firefighter Safety and Occupant Survival'. This research was conducted by Underwriters Laboratories (Chicago 2014 - 2017).

He is a co-author of '3D Firefighting – Training, Tactics and Techniques', which is published in the USA by FPP/IFSTA. In 2009 he was awarded Australia's highest honour for Fire Officers, the Australian Fire Service Medal for his work in structural firefighting training.



WEDNESDAY
11.30am - 12.15pm

THURSDAY
3.00pm-3.25pm

Keynote Speakers



Raymond O'Brocki CBO

Manager of Fire Service Relations – **American Wood Council**

RAYMOND O'BROCKI, CBO, is the Manager of Fire Service Relations for the American Wood Council. Before that he was the Chief Building Official for the City of Rockville, MD. He retired as the Assistant Fire Chief of the Baltimore City Fire Department in 2013.

He was appointed fire marshal for Baltimore City in 2008. He has served on the NFPA Urban Fire Safety Task Force and has presented at the National Fire Academy and various venues around the country. He is currently a sitting member of NFPA 1 technical committees, the International Fire Code Committee, NFPA 101 committees and the NFPA 241 committee.

O'Brocki is a graduate of the University of Baltimore School of Law and a licensed attorney.



WEDNESDAY
2.10pm-2.50pm

THURSDAY
2.35pm-3.00pm

Emma Sutcliffe

Project Director – **EV FireSafe**

Electrified transport is a vital part of a sustainable future & Australian demand for low-emission vehicles is already outstripping supply.

Over 35,000 electric family cars, last-mile delivery vans, public transport buses, taxis, mining vehicles, motorbikes & heavy haulage trucks are already driving Australian roads & that number is expected to reach 1.3 million by 2030. To support this transition, AC & DC charging infrastructure is being installed in shopping centres, carparks & in private homes, assisted by millions of dollars of government investment.

While the energy dense lithium-ion batteries powering electric vehicles (EVs) are typically very safe, when an EV battery fire does occur, it presents dangerous new fire behaviour & explosion risks, completely unlike anything previously seen. Adding an extra layer of complexity to an already challenging scene, EV FireSafe's research found a third of these EV fires occur while the vehicle is connected to energised charging.

Emergency agencies are grappling to bridge the lithium-ion battery fire knowledge gaps that widen with every new innovation from a vehicle technology sector that's hurtling towards decarbonisation.

To better understand risk & enhance safety, Emma Sutcliffe established EV FireSafe, the first global database of verified EV battery fires, with a particular focus on management of incidents at EV charging hubs. This work, which is funded by the Australian Department of Defence & with support from Deakin University, has developed a worldwide network of fire & battery experts, EV manufacturers & charging specialists to test theories, share knowledge & benefit from incident learnings.

These initial findings have opened an important conversation - what do emergency responders need to learn to successfully adapt to a world of electrified transport & how quickly can we get them there?

In this session, Emma will share data-driven findings on what is known, what needs to be tested & the emerging suppression & management techniques that may keep emergency responders safer in a world of electrified transport. Emma is an operational CFA firefighter & EV early adopter, who co-founded an EV charging company in 2018, then went on to establish several other electric vehicle sector businesses focused on charging software, EV knowledge & the conversion of classic cars to electric.



WEDNESDAY
9.40am - 10.20am

THURSDAY
4.40pm-5.05pm

Guest Speakers



Dr Jason Barden

Senior Fire Engineer – **Beca**

Jason is a Chartered Engineer with 7 years of work experience in the building sector. He holds a Master's Degree in Physics from University College London and a PhD in low-speed aerodynamics from Cranfield University (UK). He is currently a Senior Fire Engineer with Beca based in the Auckland office with prior work experience in England and the Middle East.

A significant number of Jason's projects involved in performance based designs involving CFD design, with a focus on complex egress and Mechanical Smoke Control Systems for both residential and commercial buildings.



THURSDAY
4.05pm – 4.25pm

Michael Belsham

Fire Collective Ltd

Michael is a chartered fire engineer with over 20 years' experience in fire safety engineering. He was one of the first graduates from Masters in Fire Engineering from Canterbury University. Michael has worked for several specialist and multi-discipline consultancies throughout New Zealand, Australia, and UK. He provided fire engineering design for iconic projects in Wellington including NTT Tower, Embassy Theatre and Old Bank Arcade and Wellington Airport. He also provided fire design assistance to offices in Melbourne and Sydney.

Moving to Scotland in 2006 Michael became a Principal Fire Engineer leading several projects including national school redevelopment programme, shopping centre extensions, high rise office towers and universities. He became key fire designer for award winning projects of mega scale including Aberdeen International Business Park, The Event Complex Aberdeen, Marischal Square Aberdeen. Michael also assisted with projects in European Continent, Africa and Middle East including Zaha Hadid's Bee'ah Headquarters in UAE.

Michael returned to New Zealand with MBIE to lead the Fire Programme to assist the industry recovering from the 2012 Building Code C1-C6 changes. He served on the board of Fire Protection Association of New Zealand.

Michael has expert knowledge of fire safety design, fire protection systems, risk assessment, passive fire protection and construction monitoring. More recently his skills extend to fire design for modular construction. Michael is now a Director for new company Fire Collective Ltd, a merge of three fire design companies, where he provides fire engineering design and support to local authorities, independent peer review and fire regulation workshop training for building control and fire professionals.



THURSDAY
11.45am – 12.15pm

Prof Andy Buchanan

Principal – **PTL Structural Consultants**

Dr Andy Buchanan is a structural engineer with special interests in fire safety of timber buildings. He is a Principal at PTL Structural Consultants, Christchurch, after retiring as a Professor in Civil Engineering at the University of Canterbury.

Andy has a B.E.(Honours) degree from the University of Canterbury (1970), a Masters degree from the University of California at Berkeley (1972), and a Ph.D from the University of British Columbia, Canada (1984). He has wide experience with the timber industry, the fire engineering community, and the structural engineering profession.

He is the co-author of Structural Design for Fire Safety (John Wiley & Sons, 2017) and the New Zealand Timber Design Guide (2007). He is a co-author and editor of the global design guide Fire Safe Use of Wood in Buildings (2022).



WEDNESDAY
4.00pm – 4.30pm

THURSDAY
11.15am – 11.45am

Dr Jeremy Chang

Technical Director – **Holmes Fire**

Jeremy has 15 years of experience as a Fire Engineer with Holmes Fire after obtaining his PhD in Fire Engineering from the University of Canterbury.

Jeremy specialises in structural fire engineering and has taught this topic at the University of Canterbury for several years and contributed to the New Zealand and international design guides. He also has a wealth of experience applying structural fire engineering principles to fire design.



WEDNESDAY
2.50pm – 3.15pm

Luke de Schot

Senior Fire Engineer – **WSP**

Luke is a Senior Fire Engineer from a multi-disciplinary background; with experience in mechanical, aerospace, and fire engineering. He has competence in the development and delivery of fire engineering solutions using a variety of compliance methodologies; Acceptable Solutions, Verification Method, and Alternative Solution using Performance Based Design principles. Luke has over nine years of experience conducting technical analyses and delivering complex engineering projects, often in highly regulated and constrained environments. He has a passion for solving problems with innovative technical solutions, has a diverse background and good engineering know-how. His experience in multiple engineering disciplines allows him to contribute to effective project solutions at many levels.

Luke is committed to the 'craft' of engineering, quality, sustainability, and continuing professional development. To this end, he is pursuing his PhD in Fire Engineering at the University of Canterbury. His research interests are in the field of Human Behaviour in Fire, specifically exploring the use of Virtual Reality to gather data and develop a fundamental understanding of pedestrian movement in crowds.



FRIDAY
1.15pm – 2.15pm

James Firestone

Fire Engineer – **FENZ**

James is the Wellington Fire & Emergency Team Leader located at FENZ HQ. He has worked in NZFS and FENZ for 22 years. Projects include:

- Development of the FENZ National Buildings visits process
- NZ Built Environment fire risk profile for the Department of the Prime Minister & Cabinet as part of the National Intelligence and Risk Coordination (included input into the Hazardous Substances and Natural Fire programs)
- FENZ Home Sprinkler System National Strategy for legislation enablement
- Water tank strategy for fire fighting water supplies for rural fire risk
- NZS Standards, Risk Management, Fire Sprinkler Systems for houses, NZFS Fire Fighting Water Supplies CoP

THURSDAY
2.05pm – 2.35pm

Prof Charles Fleischmann

Professor – **University of Canterbury**

Professor Fleischman has been a part of the University of Canterbury Fire Engineer program since it started in 1994. He regularly teaches Fire Dynamics and Advanced Fire Dynamics to the masters students. His research interest include in fire dynamics, compartment fire modeling, performance based codes, backdrafts, and smoke explosions.

With over 100 publications, he is an accomplished presenter and is regularly invited overseas to teach and present his research. In 2019, he spent 3 months at the Underwriters Laboratory Firefighter Safety Research Institute as a visiting scholar researching smoke explosions and teaching fire dynamics

THURSDAY
10.00am – 10.30am

Kevin Frank

Senior Fire Research Engineer – **BRANZ Ltd**

Kevin has been a fire research engineer at BRANZ since 2016. Kevin has a BSc and MSc in Mechanical Engineering from the University of Alberta in Canada and a PhD in Fire Engineering from the University of Canterbury. Kevin's research interests include the performance and effectiveness of fire safety systems (including facades) and risk-informed fire safety design methods.

Prior to moving to New Zealand, Kevin worked as a forensic engineer in Canada primarily doing fire investigations.



WEDNESDAY
1.15pm – 1.45pm

Jeremy Gall

Senior Fire Engineer – **Beca**

Jeremy is a senior fire engineer at Beca in Auckland with five years' experience in fire engineering, including two years with the Fire Engineering Unit at Fire and Emergency New Zealand reviewing designs for buildings across New Zealand. He is involved in the fire engineering design for construction projects across a range of sectors, including commercial, residential, healthcare, education, industrial and infrastructure projects.

Jeremy is currently involved in the fire engineering design for the International Terminal integration works at Auckland Airport, and large development projects at the University of Auckland.



WEDNESDAY
1.45pm – 2.10pm

Dr Klementina Gerova

Senior Fire Engineer – **Beca**

Klementina is a Chartered Engineer and active member of the Institution of Fire Engineers (IFE) and Society of Fire Protection Engineers (SFPE). She is a contributing member of British Standards technical committees and involved with NFPA technical groups.

As a member of the Smoke Control Association Klementina has co-authored guidance on CFD for smoke control. Klementina holds a Master's degree in Computational Fluid Dynamics and a PhD in Applied Aerodynamics from Cranfield University (UK).

Before joining the Fire Safety Industry, her past work experience includes work for Aircraft Research Association (ARA), and Airbus. Current Fire Safety work involvement includes MEP experience in the field of smoke control systems, performance-based fire safety design and AHJ/warranty verification work. She is currently a Senior Fire Engineer with Beca based in the Auckland office.



WEDNESDAY
1.45pm – 2.10pm

Biswadeep Ghosh

Fire & Life Safety Manager – **WSP**

Biswadeep (Deep) is the Manager Fire & Life Safety for WSP NZ and is based in the Auckland office. He is responsible for ensuring each project is resourced with the most appropriate engineers and that the level of client services is consistently to a high level.

He has a clear focus on client satisfaction and serving specific client needs by tailoring a fire engineering strategy to the aims and constraints of the project. Deep adds real value to a project by facilitating departures from prescriptive codes allowing architectural freedom and cost savings in design.

His expertise includes facilitating fire engineering designs in accordance with the Acceptable Solutions, Verification Method and alternative design approaches to demonstrate compliance. He has experience and good working relationships with the New Zealand Fire Service, regulatory reviewers and building certifying authorities to develop a fire engineered solution that is independently verified, acceptable to all stakeholders and delivered through the regulatory process in a timely manner to avoid delays to the project and provide a satisfactory outcome for the client.



FRIDAY
1.15pm – 2.15pm

Grant Haggett

Fire Safety Specialist – **Objective Corporation Solutions NZ Ltd**

Grant has a NZ Diploma in Architectural Technology with an interest in Compliance Schedules, and has worked in fire safety and accessibility design with 21 years experience working with Acceptable Solutions to comply with NZBC C1-6, D1, and F6-8. Works in coordination with designers, owners and contractors to provide common sense solutions, providing preliminary concepts updated as designs evolve from drawing board to completed work. He has completed more than 100 fire reports for MoE on school sites and 1000s of commercial buildings throughout NZ.

THURSDAY
2.05pm – 2.35pm

George Hare

Fire Research Engineer – **BRANZ Ltd**

After arriving in New Zealand in 2006, George has spent more than 5 years as a volunteer fire-fighter in both rural and urban brigades. Moving to the Wellington region in 2016, George joined the Fire Testing team in the BRANZ Consultancy Services group, providing independent fire testing and assessments of products, primarily to AS 1530.4.

In 2019 George moved across to the Industry Research side of BRANZ, joining the Better Buildings Research team, with an initial focus on risk-informed fire engineering design.

Recent work includes fire-safe use of mass timber, looking at both fire resistance and flame spread. Interests include façade fire safety, lithium-ion battery fire hazards (he is a member of the Alternative and Renewable Energy Technologies sub-group in AFAC) and he is currently beginning research into potential unintended consequences of high-performance construction.



THURSDAY
8.30am – 9.00am

Saskia Holditch

Fire Engineer – **MBIE BSP**

Saskia Holditch is a fire engineer with experience in both industry and government administration. She worked in the fire safety industry in the Caribbean and Ontario before moving to New Zealand. She holds a Bachelor's Degrees in Engineering and in Public Safety Administration, as well as a post-graduate degree as a "Hoofdbrandmeester" (fire and emergency manager).

Saskia been a part of the Ministry of Business, Innovation & Employment (MBIE)'s Building Performance & Engineering team for 3 years, working on the New Zealand Building Code and its compliance documents. She is a past and current committee member for several New Zealand fire safety systems' standards, as well as the SFPE Standards Committee on Performance-Based Design.



WEDNESDAY
1.15pm – 1.45pm
THURSDAY
12.10pm – 12.35pm

Frank Kang

Technical Support & Development Engineer – **Winstone Wallboards Ltd**

Frank Kang is a Technical Support & Development Engineer for Winstone Wallboards Ltd, based in Christchurch. He is also contracted to PTL Structural Consultants to work part time as a Senior Fire Engineer. He enjoys using his ten years of experience in technical field service, and fire and structural engineering consultancy to work on research and development projects, assist customers with technical enquiries, and offer product and system support.

His educational journey started with a Bachelor of Civil Engineering from the University of Auckland, which was awarded in 2011. He also completed a Master of Engineering in Fire Engineering at the University of Canterbury in 2021. His thesis focused on measuring the performance of load-bearing timber-framed gypsum plasterboard walls subjected to two-sided fire exposure.



WEDNESDAY
11.00am – 11.30am

Akshat Malhotra

Associate – **Mechanical Engineering, Beca**

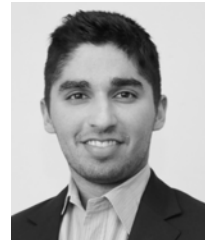
Akshat is an Associate Mechanical Engineer at Beca, and has 7 years of professional experience working as a mechanical building services engineer and managing delivery of multi-disciplinary projects.

He leads teams delivering large commercial building projects in the Auckland region - this includes project such as the University of Auckland Student Accommodation, AUT Engineering School, SkyCity Convention Centre & Grand Hotel and Hotel Grand Chancellor buildings.

In the last 3 years, Akshat has been leading Beca's Passive Fire delivery and team on projects all across the country. Akshat also has a deep understanding and familiarity with the non-structural elements for the seismic design and construction. Coupling building services, passive fire and seismic knowledge – he is in a unique position to understand and coordinate holistic solutions.

Akshat is a Chartered Professional Mechanical Engineer with Engineering New Zealand and the Chartered Institute of Building Services Engineers. Akshat was awarded the Engineering New Zealand Outstanding Emerging Professional Award in the Auckland region, and was one of the finalists for the prestigious Engineering New Zealand Young Engineer of the Year award in 2021.

He is a Young Professional Advisor and part of the for New Zealand Institute of Buildings and Association of Consulting Engineers New Zealand organisations.



WEDNESDAY
4.30pm – 5.00pm

Tania Morgun

Senior Fire Engineer – **MBIE BSP**

Tania has an extensive knowledge of the fire engineering, building regulations and consenting requirements in New Zealand. Her career started with a Bachelor of Engineering in Building Services with Honor in the Ukraine in 1988. She worked as a building services engineer until she relocated to New Zealand in 1995, where she obtained a Master's Degree in Fire Engineering from the University of Canterbury.

Tania is a CPEng fire engineer, and practice area assessor for Engineering New Zealand. Tania's background in engineering and regulatory sector provides a unique balance between technical expertise and knowledge of regulatory requirements.

In 2020 Tania joined MBIE as a Senior Fire Engineer. Her aspirations are to encourage higher standards of performance for the fire safety in New Zealand. She aims to continuously improve performance requirements through regular Building Code updates, and to provide guidance that support industry and consumers.



THURSDAY
1.35pm – 2.05pm

Daniel Pau

Fire Engineering Leader – **Cosgroves**

Daniel is a Fire Engineering Leader at Cosgroves Auckland. He has a total of 6 years experience as a fire engineering consultant.

Daniel holds a Masters of Engineering in Fire Engineering (MEFireE) and is currently a Chartered Professional Engineer (Fire) and a Chartered Member of Engineering New Zealand.



THURSDAY
9.30am – 10.00am

Dr Dennis Pau

Lecturer – **University of Canterbury**

Dennis Pau is a Fire Engineering Lecturer at University of Canterbury and a Chartered Professional Engineer. He graduated from UC with Ph.D. in Fire Engineering in 2013.

Dennis currently teaches fire engineering courses and carries out fire engineering research at UC while continues to engage closely with the fire engineering industry.

His research interests include burning behavior of fuels, fire spread behavior, and fire safety of sustainable building design.



THURSDAY
9.30am – 10.00am

Paul Ryan

Managing Director – **RyanFire Products Ltd**

Paul has been involved in the passive fire protection industry for nearly 40 years, previous owner of Firetherm Intumescent and Insulation Supplies Ltd in the UK, Firetherm Middle East in the UAE and Firetherm NZ in New Zealand, owner of Ryanfire Products Ltd, a leading supplier and manufacture of passive fire protection products, previous FPANZ Passive Fire Protection Special Interest Group Chair and currently Vice President of FPANZ.



FRIDAY
9.15am – 9.45am

Dr Colleen Wade

Director – **Fire Research Group**

Dr Colleen Wade is a fire research specialist with interests in fire modeling, flame spread, risk analysis and fire dynamics in mass timber enclosures.

She is a Director at Fire Research Group based in Hawkes Bay. Colleen has a PhD in Fire Engineering (University of Canterbury), a MS in Fire Protection Engineering (WPI, USA) and a BBSc (Honours) from Victoria University.

She is convenor of WG6 (design fires) in ISO Technical Committee 92 and a Fellow of SFPE. She has more than 30 years experience as a fire researcher and is the developer of the fire zone model B-RISK. Her PhD research was modeling post flashover fires in mass timber enclosures.

She is a co-author of the global design guide Fire Safe Use of Wood in Buildings (2022).



WEDNESDAY
4.00pm – 4.30pm
THURSDAY
9.00am – 9.30am

Shane Wyatt

Technical Director – **Tech Coatings NZ Ltd**

Shane Wyatt, Co-Founder and Technical Director of Tech Coatings. Shane is committed to contribute to the ongoing trans-formative changes of the Passive Fire Industry in New Zealand. As the Chair person (member) of Coatings Working Group, appointed by FPANZ, he is leading the team of experts to compile the industry Code of Practice for the specification and application of Intumescent Coatings on structural steel. Thanks to this initiative, Shane's main aspiration to restore the trust in safe building practices in New Zealand is promising to be an industry reality one day.

One of Shane's main responsibilities in his role as a Technical Director of Tech Coatings is overseeing company's extensive fire-testing regime with CSIRO, BRANZ and most recently with Fire TS Laboratory. Through this extensive testing Shane has a unique understanding of intumescent coatings and is currently focusing on providing tailored solutions to the construction industry in New Zealand



FRIDAY
8.45am – 9.15am

Matthew Wright

Built Environment Manager, Australasia – UL

Matthew Wright is UL's Built Environment Manager for Australasia - a position created by UL to spearhead development of UL service offerings tailored to Australia and New Zealand. With a passion for delivering safety in the built environment, Matthew has held roles implementing and developing requirements and good practice guidance across all building types. This has included collaborating with national and international stakeholders to build relationships and improve outcomes.

As an influential industry advocate, Matthew has achieved meaningful change in legislation, codes and Standards, including strategic generational change to the fire safety strategies of national construction codes, as well as frameworks for practitioner competency. He has worked in local government and private industry building enforcement and approval, as well as roles with the fire brigade and Australia's peak fire protection association.

Matthew's current role is focused on championing product safety and certification solutions and providing a conduit to contemporary research responding to emerging trends and hazards, building on UL's global reputation for integrity, safety science and thought leadership.

Matthew holds a Bachelors Degree in Building Surveying, a Graduate Certificate in Performance Based Building and Fire Codes and a Graduate Diploma in Fire Safety and Risk Engineering. By Ministerial appointment Matthew also served two terms as a member on the State of Victoria's Building Appeals Board and was Fire Protection Association Australia's inaugural Building Codes Committee representative for the Australian Building Codes Board. Matthew was appointed as one of 5 members of an international jury for the Council for Tall Buildings and Habitat's "Fire and Risk Engineering Award" and presents regularly at industry events.



FRIDAY
9.45am – 10.15am



Conference MC

Brett de Hoedt

Emcee & Mayor of **Hootville Communications**

Upon learning of the impending pandemic via his sources in Wuhan, Brett decamped to a secret bunker underneath the Te Pae Convention Centre to refine his emceeing skills.

To stay 'match fit' our erstwhile host has been staging mock-conferences in pathology laboratories, vaccination hubs and quarantine facilities. None went well.

At home, Brett devotes himself to anti-vax conspiracy theorising, cladding debates and multi-level Ivermectin marketing.

He is triple vaxed and five-times our emcee. For more: www.manonstage.biz



FIRE TESTING FOR CODE COMPLIANCE



Bealey 3 Room
Friday 23rd September 2022, 1.15pm – 2.15pm

Peter Whiting

Senior Fire Engineer, Fire Testing Team Leader – **BRANZ**

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 more than 25 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.



**FRIDAY
WORKSHOP**
1.15pm – 2.15pm

Jason King

Associate Principal Fire Engineer – **Stephenson & Turner**

Jason has been involved in fire testing and fire engineering since the 1980s, including 7 years as Fire Testing Manager at BRANZ. After leaving BRANZ he studied for his post graduate diploma in fire engineering. He has worked as a consulting fire engineer for Connell Wagner, Beca, and currently as Associate Principal Fire Engineer at consultancy Stephenson & Turner based in Wellington. Jason has maintained currency with fire testing related matters, providing assessments of fire resistance and assisting with product development for a number of manufacturers.



**FRIDAY
WORKSHOP**
1.15pm – 2.15pm

SAFETY IN FIRE DESIGN

Bealey 4 Room
Friday 23rd September 2022 , 1.15pm – 2.15pm



Rob Holland

Principal – **RJ Nelligan & Associates**

Rob is a Chartered Professional Fire Engineer, working in the fire safety industry for the last 15 years across a wide range of residential, commercial and industrial projects.

For the last 8 years Rob has also consulted most of the country's leading installers and certifiers of height safety systems. It is from these two lines of work that Rob had developed a passion for safety in design and it is why he joined the New Zealand Society of Safety Engineering (an Engineering NZ technical interest group) of which he is Treasurer.

One of the main missions of the NZSSE is to promote the safety in design message as well enhance the passing of ideas between various disciplines and industry sectors so that plant, machinery and buildings are designed to be safer for everyone.



Llewellyn Mudrovic

Regional Sprinkler Service Manager – **Argus Fire Systems Service Ltd**

Llewellyn (Mud) has over 20 years extensive work experience in the fire industry starting his career in London England in 1999. He has developed expertise in performance based Fire Engineering from working on a wide range of building types, including large industrial projects, alterations to operational shopping centres, high-rise apartment buildings, large warehouses and office buildings.

He is a well-rounded and extremely knowledgeable in the sprinkler industry and currently works as the Sprinkler Manager at Argus Fire. Llewellyn (Mud) has managed a number of high profile projects including:

- Auckland's University's new Science Centre Building 302
- Auckland's 5 star Langham Hotel including sprinklers, hydrants and fire alarm system
- Sky City, Auckland Convention Centre including sprinklers, hydrants and fire alarm system
- Auckland Natural History Museum major upgrade.



LAUNCHING THE FPANZ BUILDING INTERFACE COP *and Q&A session*



Bealey 3 Room

Friday 23rd September 2022, 2.45pm – 3.45pm

Nicky Marshall

Protec Design

Nicky has worked in the fire protection industry for over 25 years after completing her NZCE mechanical at Christchurch Polytechnic.

She has a broad range of experience including technical support teams, project management and design across various fire protection aspects such as fire equipment, special hazards (gas suppression, water mist etc.) fire alarms, basic fire safety engineering, pumps & water supplies and sprinkler systems.

This experience has equipped her with a unique overview of fire protection aspects not often found in the industry.

Nicky has also served on Industry advisory groups for the development of NZQA standards, been the technical expert on the committee for the re-write of New Zealand Standard 4503 on portable fire equipment, advised on the development of various codes of practice involving fire protection and contributed to the redevelopment of the Sprinkler Standard published in 2013 and 2020. She serves as the FPANZ representative on the FP003 joint AS/NZS fire protection committee as well as the FPANZ representative on the NZ Standards Hydrant committee for NZS 4510, which has just been published (2022).

Nicky is an elected council member for the Fire Protection Association NZ (FPANZ), is chairing a FPANZ led group developing a code of practice for integrated building systems, and has recently been appointed to the FPANZ board. She is also a trustee and board member for the Fire Protection Charitable Trust.





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ONLINE BOOKING DIRECTIONS

- Visit www.rydges.com
- Select **Rydges Latimer Christchurch**, enter your dates* and number of people and click 'GO'
- Click '**I have a code**'
- In the '**Corporate ID**' field enter your booking code: **FIRENZ**
- Click '**UPDATE**'
- Your special rates will appear on the rates screen

*These rates are available for stays between 20 September 2022 and 24 September 2022 (inclusive).



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Crowne Plaza Christchurch is a 4.5 star hotel conveniently located in the vibrant heart of Christchurch City, in a privilege location opposite Te Pae Convention Centre. The hotel combines what's really important – location, comfort, style, technology and service.

- King Standard Room \$205.00 per night
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- Follow the **booking link** and enter your booking dates and the booking code will auto-populate.

*These rates are available for stays between 20 September 2022 and 24 September 2022 (inclusive).



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ONLINE BOOKING DIRECTIONS

- Follow the **booking link** and enter your booking dates and the booking code will auto-populate.

*These rates are available for stays between 20 September 2022 and 24 September 2022 (inclusive). *Please note rates are valid until 14 days prior to arrival. Rates are subject to availability. All reservations must be guaranteed with a credit card valid at the date of the start of your stay, unless otherwise specified. No cancellations charge applies prior to 18:00 (local time) the day prior to arrival. Beyond that time, the first night will be charged.



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Distinction Christchurch Hotel is pleased to extend special accommodation rates to those delegates attending the Fire NZ Conference. For more information, **click here**

ONLINE BOOKING DIRECTIONS

- Follow the **booking link**
www.distinctionhotelschristchurch.co.nz/FIRENZ2022
- Choose your accommodation option and follow the instructions on screen.

*These rates are available for stays between 20 September 2022 and 24 September 2022 (inclusive). See **booking link** for more terms & conditions.

For more accommodation options and details of local attractions and activities in Christchurch visit <https://www.christchurchnz.com/about-us>

Conference Registration Form

PURCHASER DETAILS (please complete all fields)

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

REGISTRATION FEES <small>excl. GST</small>	FPANZ, IFE, SFPE member <small>excl. GST</small>	Non Member <small>excl. GST</small>
Full Registration: <i>includes attendance and catering for the full 3 days including workshops and site visit (excluding Gala Dinner)</i>	\$899	\$999
Two Day Registration: <i>Thursday/Friday – includes attendance, workshop and catering for the full 2 days (excluding conference dinner)</i>	\$799	\$899
One Day Registration: <i>Includes attendance, workshop or site visit and catering for the full 1 day (excludes conference dinner)</i>	\$415	\$555

Conference Dinner <i>(No Membership discount applies to dinner tickets)</i>	Individual dinner tickets no longer on sale
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Note: The member price applies to FPANZ, IFE and SFPE USA only.

☐ FPANZ Member ☐ IFE Member ☐ SFPE Member

TOTAL excl. GST \$

Please note: Registrations must be received no later than Friday 16th September 2022

Attendee 1: (please complete all fields)

Contact Name:	
Phone ():	Email:
Dietary Requirements (if applicable):	
<input type="checkbox"/> DAY 1 Please tick if attending. Tick attendee preferences	
<input type="checkbox"/> DAY 2 Please tick if attending.	<input type="checkbox"/> Conference Dinner
<input type="checkbox"/> DAY 3 Please tick if attending.	<input type="checkbox"/> Site Visit:

Send Completed Registration form to:
Email: info@fpanz.org
Ph: 0800 037 269

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

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 **2.5%** surcharge applies to all credit card transactions.

COVID-19: Due to the possibility of ongoing uncertainty around government regulations on mass gatherings in response to COVID-19 at any particular time or region, the organisers may determine to postpone the event. You acknowledge and accept this possibility and accept that any postponement will entitle you to request a refund or transfer your registration to a future date.



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

☐ **DAY 2** Please tick if attending. ☐ **Conference Dinner**

☐ **DAY 3** Please tick if attending. ☐ **Site Visit:** X

Attendee 3: (please complete all fields)

Contact Name:

Phone (): Email:

Dietary Requirements (if applicable):

☐ **DAY 1** Please tick if attending. Tick attendee preferences

☐ **DAY 2** Please tick if attending. ☐ **Conference Dinner**

☐ **DAY 3** Please tick if attending. ☐ **Site Visit:** X

Attendee 4: (please complete all fields)

Contact Name:

Phone (): Email:

Dietary Requirements (if applicable):

☐ **DAY 1** Please tick if attending. Tick attendee preferences

☐ **DAY 2** Please tick if attending. ☐ **Conference Dinner**

☐ **DAY 3** Please tick if attending. ☐ **Site Visit:** X

Send Completed Registration form to:

Email: info@fpanz.org

Ph: 0800 037 269

Please note: Registrations must be received no later than Friday 16th September 2022

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FIRE INDUSTRY AWARDS DINNER

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***“The fire industry
awards represent the
best of the fire industry
and recognise those
that contribute to
achieving a safer
New Zealand”***

This year the FireNZ committee wish to initiate a number of annual awards that become recognised as being representative of the entire fire industry and create a legacy that becomes an aspiration for achievement.

We are delighted to announce that nominations are now sought for several awards to be presented at this year's FIRENZ Gala Dinner, 22nd September being held at Te Pae, Christchurch.

For more information
please visit
www.firenz.org



*MC for the Awards Dinner
Te Radar*



Outstanding Engineering Achievement

The FireNZ award aims to recognise contributions made by the candidate to the promotion of the engineering profession. This could be in recognition of:

- Significant contributions to the advancement of the professional recognition of the fire protection engineer.
- A fire design that represents a novel, artistic and imaginative solution to a problem
- A project that has delivered enormous value and impact to either a community, country or organisation
- An outstanding collaboration between an engineering organisation and one or more other organisations, that results in a better project outcome or has a significant positive impact on a workforce, customers or community
- A breathtakingly clever engineering project or product launched or completed in the past two years that has solved an age-old problem or shifted from the 'always done this way' mentality
- An individual or team for inspiring engineering education or a significant initiative. It may include student or peer support, teaching, research or other significant initiatives that result in an enduring positive impact

Lifetime Achievement Award

The Lifetime achievement / outstanding contribution award is a prestigious recognition of life-long contributions to and career achievements in the field of fire safety in New Zealand.

Young Professionals Award

The Young Professionals award is for a young person who has demonstrated outstanding leadership qualities, excellence in their career, academic excellence and/or has provided a contribution to the fire safety community.

Candidates must be within five years from completion of their most recent qualification at the time of nomination or start of employment in the fire industry. The maximum age of the candidate is 35 years at the date of the award.

Competenz Learner of the Year Award

The Competenz Learner of the Year Award celebrates excellence among learners and highlights trades careers in the fire protection industry. The Award acknowledges learners whose skills, drive, commitment and work ethic has helped them to achieve outstanding outcomes. It's open to anyone who has completed a Level 3 or 4 programme through Competenz between 1 January 2021 and 31 May 2022. Entry details will be available shortly and will be advertised through Competenz.

NOMINATION PROCESS

A nomination from any person or organisation within the fire industry will be accepted and membership of the three FireNZ organisations is not required.

Self-nominations are not accepted.

NOMINATIONS NOW CLOSED

FIRENZ AWARDING COMMITTEE

The nominations will be considered and recipients chosen by the FireNZ Awarding Committee which is made up of representatives of the FPA, SFPE and IFE.

The judges' decisions are final and no correspondence will be entered into.

21-23 SEPTEMBER 2022

TE PAE CONVENTION CENTRE, CHRISTCHURCH
NEW ZEALAND



fire NZ 2022



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