

Tall Building Fire Safety Network
4th International Tall Building Fire Safety Conference
Chicago
16 – 19th May 2017



Conference Programme and Delegate Information V1



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1. Conference Speakers, Sponsors and Supporters

Logo's to be inserted here



2. Tall Building Fire Safety Network

Mission Statement:

“To collectively advance the understanding of fire risk management in tall buildings, during design, construction, occupation and firefighting operations. This will be achieved by group scrutiny of available research data, relevant innovative products and development of a guidance document for fire safety in tall buildings”.

Terms of Reference:

1. Membership of the group will be formed primarily by staff representing owner/management of tall buildings;
2. Membership of the group is also open to key stakeholders involved in fire safety within tall buildings;
3. The group will meet twice a year at suitable venues convenient to the membership;
4. The group will be administered by Tall Building Fire Safety Network (organisation of meetings speakers, minutes, etc.);
5. Membership of the group is voluntary, and any expenses incurred are down to individual members;

Steering Committee:

Chair: Emily Scragg

Secretary: Russ Timpson

Prof Ed Galea, Paul Stewart, Tom Gilbert, Jim Creak, Bob Newbigging

Regional Representatives:

USA: Nathan Wittasek, Curtis Massey

Europe: Mark van Houwelingen

Australia: Justin Francis

Singapore: Randy Tan

3. Conference Agenda

Tuesday 16th May 2017

Session 1 – Management of Evacuations in Tall Buildings

Sponsor - TBC

08:45 Delegates to be seated

09:00 Official opening

09:10 Keynote –

(note: all presentation timings include a 5 minute Q&A session at the end)

09:50 Presentation 1:

10:15 Presentation 2:

10:40 Presentation 3:

11:05 Tea & Coffee Break

11:30 Presentation 4:

11:55 Presentation 5:

12:20 Panel Discussion

12:40 Lunch

Session 2 – Fire Detection/Alarm and Evacuation in Tall Buildings

Sponsor – TBC

13:30 Keynote –

14:00 Presentation 6:

14:25 Presentation 7:

14:50 Presentation 8:

15:15 Tea & Coffee Break

15:40 Presentation 9:

16:05 Presentation 10:

16:30 Panel Discussion

17:00 Conference Day 1 closes

19:30 Networking Social Event (see Social Programme)

Wednesday 17th May 2015

Session 3 – Fire Evacuation and Human Behaviour in Tall Buildings

08:45 Delegates to be seated

09:00 Welcome –

09:10 Keynote –

(note: all presentation timings include a 5 minute Q&A session at the end)

09:50 Presentation 11:

10:15 Presentation 12:

10:40 Presentation 13:

11:05 Tea & Coffee Break

11:30 Presentation 14:

11:55 Presentation 15:

12:20 Panel Discussion

12:40 Lunch

Session 4 – Tall Building Facades and Passive Fire Protection

13:30 Keynote –

14:00 Presentation 16:

14:25 Presentation 17:

14:50 Presentation 18:

15:15 Tea & Coffee Break

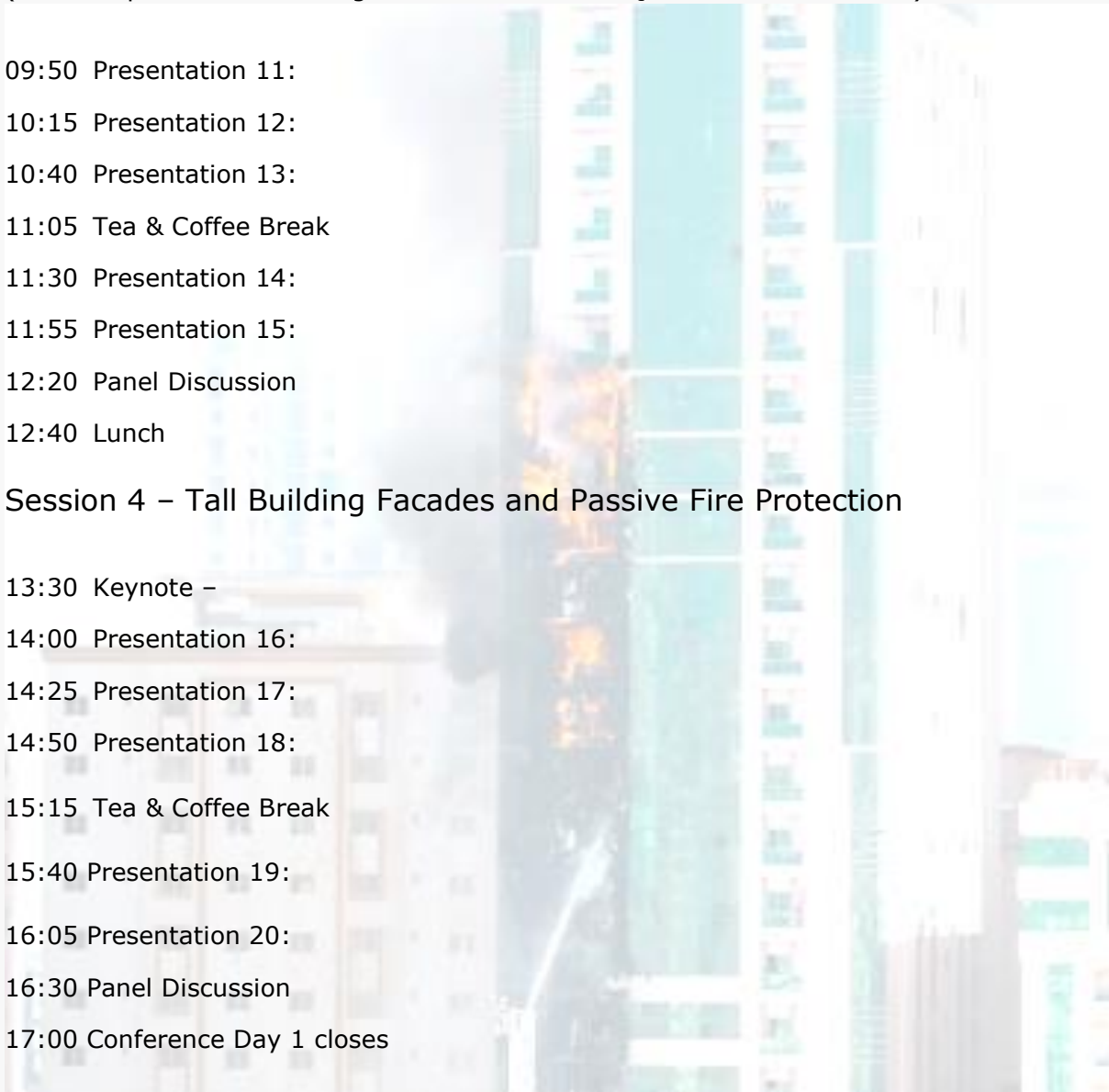
15:40 Presentation 19:

16:05 Presentation 20:

16:30 Panel Discussion

17:00 Conference Day 1 closes

19:30 Gala Dinner



Thursday 18th May – Tall Building Themed days

Theme 1 – Tall Building Firefighting

Sponsor – TBC

08:45 Delegates to be seated

09:00 Welcome –

09:20 Keynote – **The Challenge of Full Height Fires in Tall Building's**

(note: all presentation timings include a 10 minute Q&A session at the end)

09:50 Presentation 1:

10:40 Presentation 2:

11:05 Tea & Coffee Break

11:30 Presentation 3:

12:20 Panel Discussion

12:40 Lunch

13:30 Presentation 4:

14:20 Presentation 5:

15:15 Tea & Coffee Break

15:40 Presentation 6:

16:30 Panel Discussion

17:00 Firefighting in Tall Buildings Theme Day closes



Thursday 18th May – Tall Building Themed days

Theme 2 – Security and Terrorist Threats in Tall Buildings

Sponsor - TBC

Host – CSARN

A background image showing a tall, modern building with a glass facade. A large fire is visible on one of the upper floors, with thick black smoke billowing out. The image is slightly blurred and has a light blue tint.

08:45 Delegates to be seated
09:00 Welcome:
09:10 Keynote: Fire Evacuations and Active Shooter Events
09:40 Presentation 1:
10:10 Q&A
10:30 Tea & Coffee
10:50 Presentation 2:
11:20 Presentation 3:
11:50 Q&A
12:10 Lunch
13:10 Presentation 4:
13:40 Presentation 5:
14:10 Q&A
14:30 Tea & Coffee
14:50 Presentation 6:
15:20 Presentation 7:
15:50 Panel Discussion
16:10 Security in Tall Buildings Theme Day closes

Thursday 18th May – Tall Building Themed days

Theme 3 – Resilience and Business Continuity in Tall Buildings

Sponsor - TBC

Host – TBC

08:45 Delegates to be seated

09:00 Welcome:

09:10 Keynote: Recovering from a Serious Fire in a Tall Building

09:40 Presentation 1:

10:10 Q&A

10:30 Tea & Coffee

10:50 Presentation 2:

11:20 Presentation 3:

11:50 Q&A

12:10 Lunch

13:10 Presentation 4:

13:40 Presentation 5:

14:10 Q&A

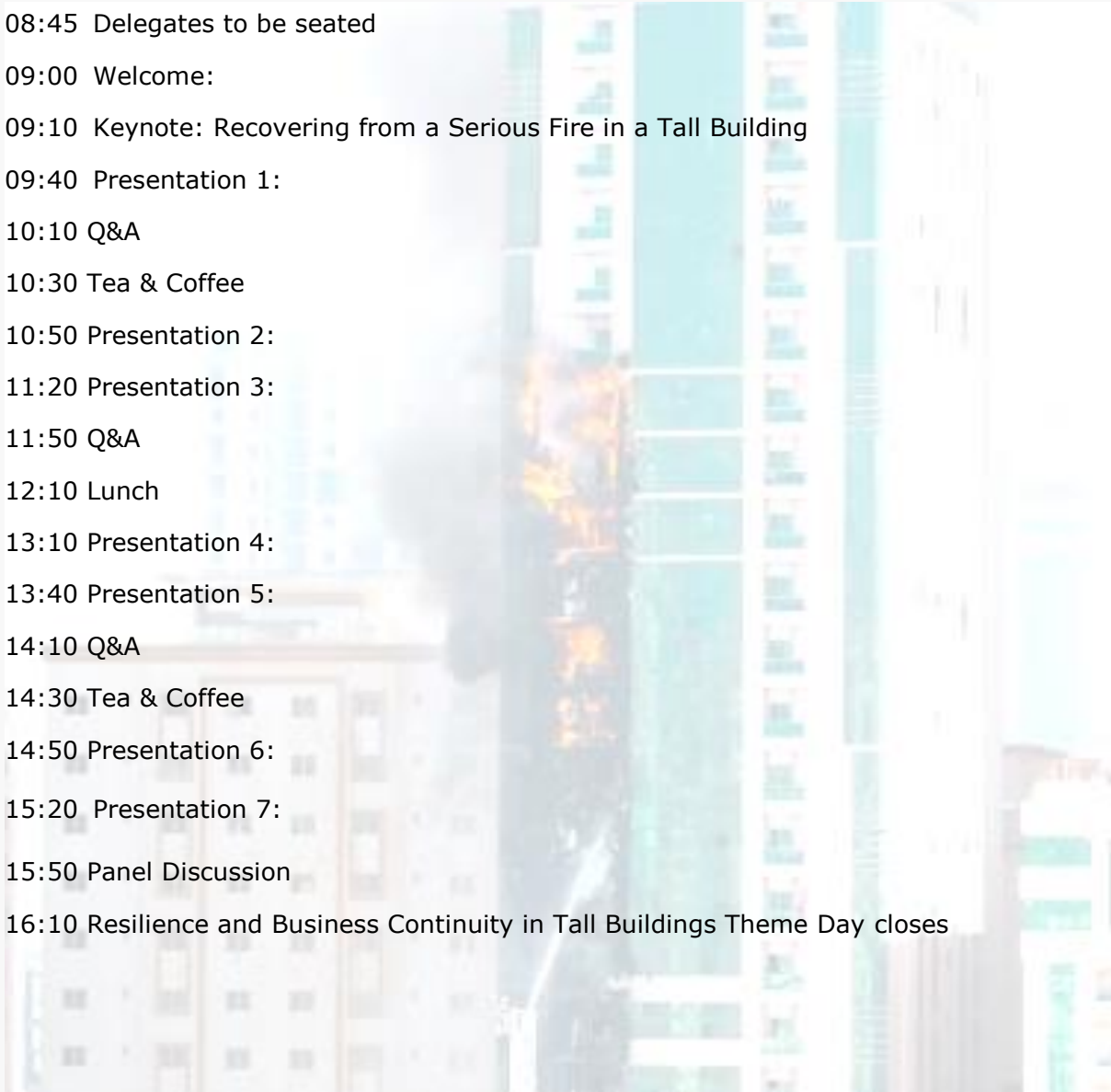
14:30 Tea & Coffee

14:50 Presentation 6:

15:20 Presentation 7:

15:50 Panel Discussion

16:10 Resilience and Business Continuity in Tall Buildings Theme Day closes



4. Speaker Profiles (Current)



Professor Ed Galea is the founding director of the Fire Safety Engineering Group (FSEG) of the University of Greenwich in London where he has worked in the area of Computational Fire Engineering (CFE) research since 1986. FSEG are developers of the EXODUS suite of evacuation and crowd dynamics software and the SMARTFIRE fire simulation software, which have users in 35 countries around the world. His personal research interests include human behaviour in emergency evacuation situations, crowd dynamics, evacuation and crowd dynamics simulation, fire dynamics and CFD fire simulation. His research has applications to the building, aviation, maritime and rail industries.

He is the author of over 300 academic and professional publications, the vice chair of the International Association of Fire Safety Science and serves on a number of standards committees concerned with fire and evacuation for organisations such as; IMO, ISO, BSI and the SFPE Task Group on Human Behaviour in Fire. He has served on several major Inquires and legal cases as an expert in fire and evacuation including: the Paddington Rail Crash, the Swiss Air MD11 crash, and the Admiral Duncan Pub bombing. He has successfully supervised 20 PhD students in fire and evacuation related studies. He is a Guest Professor at Ghent University Belgium and the Institut Supérieur des Matériaux et Mécaniques Avancés (ISMANS), Le Mans, France where he teaches on Fire Safety Engineering MSc courses. He has won a number of awards for his work including; 2001 British Computer Society Gold Medal, 2002 Queen's Anniversary prize, 2006 Royal Aeronautical Society Gold Award; 2008 SFPE Jack Bono Award, 2010 Royal Aeronautical Society Bronze Award and the 2014 The Guardian University Award for Research Impact. He is an associate editor of the "Royal Aeronautical Journal" and open access journal 'Fire Science Reviews'.



Justin Francis - 19 years of experience within the Queensland Fire and Emergency Service has seen a significant amount of experience gained whilst working as an operational Station Officer within the Central Business District of Brisbane, Australia. This experience includes performing the role of incident controller at many incidents in tall buildings, 4 years of working within the Community Safety field focussed on Building Approvals of significant building developments, liaison with private industry and compliance and prosecution. This combined knowledge highlighted a shortfall in fire fighter skills and prompted establishment of training programs aimed at strengthening fire fighter knowledge on Special Fire Services within the built environment. My formal qualifications, a Bachelor Degree of Emergency Management from Charles Sturt University have assisted to extend my knowledge outside of my organisation. My current work area is operationally based and is broad in area, ranging from Technical Rescue through to bush fire management in the field of Bush Fire Behaviour Analysis.



Peter A. Weismantle - Director of Supertall Building Technology at Adrian Smith + Gordon Gill Architecture (AS+GG) in Chicago, is responsible for overseeing the technical development of the firm's supertall projects from concept to completion. His current projects include Greenland Center, a 600+ meter tall project in Wuhan, China; Dongcun Center, a 468 meter tall tower in Chengdu, China and the Kingdom Tower, a project in Jeddah, Saudi Arabia, that, when completed, will be the tallest building in the world at more than 1000 meters. Before joining AS+GG in 2008, Peter was an Associate Partner in the Chicago office of Skidmore, Owings & Merrill LLP, where he began his career in 1977 and served as senior technical architect on several supertall towers, including Shanghai's 88-story Jin Mao Tower and the 162-story Burj Khalifa, currently the world's tallest building.

He is currently the Chairman of the CTBUH Advisory Group, immediate past-Chairman of the Chicago Committee on High Rise Buildings (CCHRB), President of the Board of Directors of the Safety Glazing Certification Council (SGCC) and was named a Fellow of the American Institute of Architects (AIA) in 2010 and the Council on Tall Buildings and Urban Habitat (CTBUH) in 2014.



Nathan Wittasek has twenty years of experience working in the fire protection and regulatory arenas. Nate brings a practical approach to the fire protection engineering field that reflects his diverse training and experiences in academia, codes consulting, fire protection engineering, sustainable design, and the fire service. His experience includes failure analysis, fire engineering, systems design and building codes consulting for commercial and infrastructure projects in North America, Asia, and the Middle East. Nate has specialized in fire life safety systems and approaches that are used in tall buildings, and is currently involved with several tall buildings projects in various stages of design and construction.

Nate is a registered fire protection engineer in the state of California, sits on the fire safety committee for the Council on Tall Buildings and Urban Habitat, and is a regular instructor for the American Institute of Architects, California Polytechnic University and the UCLA Extension, where he focuses on regulatory issues, building, fire and zoning codes as well as accessibility.



Wilf Butcher - has worked within the Passive Fire Protection sector of the fire community, on an international basis, for just over forty years, twenty nine of which within manufacturing management and in 2003 establishing his own marketing consultancy, WJB Marketing.

As part of his consultancy, Wilf took over the role of CEO for the Association for Specialist Fire Protection in 2007 and also sits of the Executive Councils of the Fire Sector Federation, the Fire Protection Association and the Passive Fire Protection Federation and is the immediate past President of the European Association for Passive Fire Protection.

5. Social Programme – to be confirmed

One of the main objectives of the conference is for delegates to meet and network with colleagues from around the world. To that end the following social programme has been arranged:

Monday 15th May, from 7pm: Welcome Reception TBC

Dress: informal + conference badges

Sponsor - TBC

Tuesday 16th May, Networking Reception (on completion of conference day)

Sponsor - TBC

Wednesday 17th May, Conference Gala Dinner TBC



6. Conference Venue: Chicago City Centre - TBC

7. Conference Hotels - TBC

8. Help?

Before the conference:

Updates and information will be posted on our LinkedIn page
– Tall Building Fire Safety Network (please join if you have not done so already)

We will also send email updates regularly

During the conference:

We will have a delegate help desk operating during the conference.

A dedicated conference team will be on hand to answer your questions and make sure you have the best conference possible.

Contact conference director Russ Timpson:

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Email: russ.timpson@horizonscanbcp.com

Web: www.tallbuildingfiresafety.com

