

Technical Workshop by NZ Chapter of SFPE

Topic:- Human Movement in Fire and Related Emergencies
Main speakers :- Jake Pauls, Johan Lundin
Time:- 8.45 am to 4.30 pm
Venue:- Christchurch on Fri 11 April 2008 at University of Canterbury
(room TBA depending on numbers)

A one day seminar exploring the emergency egress of occupants from buildings and enclosed spaces. The seminar will address:

- stairwell usability and safety
- demographic effects on human egress capabilities.

Over the last twenty years, society has undergone significant demographic changes, including an increase in obesity and a growing recognition of those in our community with a disability. These changes are reflected in an ageing population, major increases in body mass and size and a decrease in average physical fitness. Human movement in normal building operations, emergency evacuations and during rescue from buildings and public infrastructure, such as rail stations and airports, have all been affected by these changes. These changes have implications for both people movement and the design of building and infrastructure.

This seminar will examine building egress design and the implications for stairwells, a challenging and dangerous component of emergency egress for individuals and crowds. In particular the potential changes which may be required for future design and operation of buildings will be discussed, with a view to minimising accidents, maximising evacuation efficiency and facilitating those who manage rescue.

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Jake Pauls brings over 40 years experience in research, codes / standards development, public health advocacy and consulting to this seminar. Educated in physics, engineering, architecture and certified in ergonomics, Jake is renowned for bridging among ergonomics, public health and fire safety engineering. He has extensive experience of the development of codes and standards for building use and safety, and currently serves on a dozen national committees involved with standards and model codes for building design across Canada and the USA.

A focus for much of Jake's work is the safety and usability of stairways, particularly during major evacuations such as that of the World Trade Center, for which he co-directed an international initiative on evacuation research. The behaviour of crowds in emergencies, including egress from assembly facilities of all sizes, has also been a long-term interest and focus of Jake's research, resulting in the development of standards and codes.

In addition to Jake's work regarding stairways of relatively large buildings, he is increasingly conducting research within the area of public health. This work focuses on falls suffered by individuals on all kinds of pedestrian facilities. With built environment issues in public health regaining importance, Jake is spearheading the organisation of a forum, within the American Public Health Association, on built environment standards and laws.

ONE-DAY WORKSHOP

Christchurch at 8:45 am on Fri 11 April 2008 at University of Canterbury.

All Registrations must be returned 3 days before the event date to ensure refreshments are available.

Please return this registration form with full payment to:

Neil Gravestock
Treasurer SFPE
PO Box 2221
Auckland

Phone: 09 366 9266
email: neil.gravestock@marsh.com

Mr/Mrs/Ms/Miss/Dr _____
(FIRST NAME) (SURNAME)

(Company/Organisation) (email address – print clearly)

(postal address for Seminar / Conference communications) (Phone – include area code)

(Fax)

Registration Fee: (includes GST)

GST Regd Number – 10-385-946

This is a tax invoice when paid

- SFPE Member / friend of chapter* \$100.00
 Non-member \$150.00

* Membership subscriptions must be paid in full to receive discounted amount.

Method of payment:

- Crossed cheque payable to SFPE Amount Paid: _____
 Receipt required **

** Registration receipt will be acknowledged via email or fax.

NOTES:

- If more than one delegate is covered by the cheque, staple all Registration Forms together with the cheque
- Course costs include – morning tea, lunch and afternoon tea.
- Delegates are to arrange their own accommodation and transport where necessary.
- Substitute delegates are welcome (but extra fees may be charged subject to membership status).
- Enquires regarding the workshop should be sent to michael.spearpoint@canterbury.ac.nz

PROGRAMME

8:45 – 9:00	Arrival
9:00 – 9:10	Welcome (Mike Spearpoint, UoC)
9:10 – 10:30	Building Egress: What's changed and why (Jake Pauls)
10:30 – 11:00	Morning tea (sponsored by I F E New Zealand Branch)
11:00 – 11:30	Fire Engineering Design Guide, third edition photograph competition winners (Kristin Hoskin, CAENZ)
11:30 – 12:30	Safety in case of fire - The effect of changing regulations (Johan Lundin, WSP, Sweden)
12:30 – 1:30	Lunch
1-30 – 3:00	Stairway design, regulation and egress performance (Jake Pauls)
3:00 – 3:30	Afternoon tea
3:30 – 4:30	Discussion forum