

EuroFire

3rd European conference

Fire Safety Engineering:
Trends and Practical Applications

Paris

25-27 May 2011

Conference Venue: Ecole Militaire – Place Joffre 1 – Paris 7e

PROGRAMME

Provisional programme and subject to change. Check our website for regular updates at

www.eurofireconference.com

25 May 2011

9h00 –
10h00

REGISTRATION & REFRESHMENTS

10h00

INTRODUCTIONS

KEY NOTE ADDRESSES & OPENING OF THE CONFERENCE

Session Chairman: Lt Col Olivier GAUDARD – BSPP, France

Général J. PRIEUR, Paris Fire Brigade – BSPP

Director of Civil Defense - Ministry of Interior

J-A. CALGARO (CEN Chairman TC 250 Fire Safety)

10h30

SESSION 1

INTERNATIONAL FIRE SAFETY TRENDS AND SOCIETAL ECONOMIC IMPACT

Session Chairman: Lt Col Ronan POILVERD – BSPP, France

FSE approaches in the world and in France

Dr J. KRUPPA, President of ISO SC4 and Deputy Technical Director of the PNISI project, CTICM, France

Economic optimization of fire safety in Switzerland

C.HAEFELFINGER, BGV, Switzerland

Heavy financial consequences of fires for social security systems

M.MARGOT or P. VILLAIN, European Burns Casualties Association

FSE - Examples and some remarks from a large fire brigade

F. KIRCHER, Fire Brigade Berlin, Germany

12h00-
13h00

BUFFET LUNCH IN THE EXHIBITION AREA - NETWORKING WITH SPONSORS & EXHIBITORS

13h00

SESSION 2

FSE AND PRESCRIPTIVE CODES

Session Chairman: Hervé TEPHANY - Ministry of Internal Affairs, DSC France

How to manage a fire strategy change?

Lt Col O.GAUDARD, BSPP, Paris, France

PN ISI WG4 - Recommendations for regulatory evolution from the FSE national project (PNISI)

Dr. D.JOYEUX, Efectis France

Evolution of the regulatory framework and FSE projects within a new market

M.LAGO, Efectis Iberica, FSE in Spain

New generation of nuclear power plants: A new approach to characterize the performance of fire compartments
B. GAUTIER, EDF, France

The application of fire engineering, a London Fire Brigade Perspective
P.JENKINS London Fire Brigade Head of the FSE Group UK

15h00-
15h30

REFRESHMENTS - NETWORKING WITH SPONSORS AND EXHIBITORS

15h30

**SESSION 3
FSE IN SUPERTALL BUILDINGS
Session Chairman: Jean-Claude DE SMEDT – EFECTIS Belux**

Fire and life safety for the new generation of supertall buildings
P.WEISMANTLE, Adrian SMITH Architects & M.REISS, RJA, USA

Fire safety in construction in Russia - Some practical architectural solutions for the safety of occupants of tall buildings
Dr D.SAMOSHIN, Ministry of the Russian Federation for Civil Defense , Academy of State Fire Service, Educational & Research Centre

The limit of the prescriptive codes and the use of FSE in the highest tower in France “La Tour Phare”
F. VOGT – UNIBAIL and P. VAN HULLE, EFECTIS, France

Fire Department’s view of very tall buildings
D..Y CHEUNG , Deputy CFO ,Hong Kong Fire Services Department

The new guidance on fire safety in very tall buildings in the UK
Prof Dr.D.CHARTERS BRE, UK

The SFPE Engineering Guide to Fire Safety Design in very tall buildings
M. HURLEY, SFPE, USA-

18h00

WELCOME RECEPTION AND BUFFET - NETWORKING WITH SPONSORS & EXHIBITORS

26 May 2011

8h00-
8h30

REGISTRATION & REFRESHMENTS

8h30

**SESSION 4
ACTIVE FIRE PROTECTION IN FSE DESIGN
Session Chairman: Alain VERHOYEN - ANPI, Belgium**

Benchmarking of fire extinguishing systems by the use of real scale experiments and CFD modelling
A.W HESKESTADT, SINTEF NBL, Norway

Fire modelling in sprinklered, multi-storey car warehouses
M LAGO, Efectis Ibérica

Watermist installations in practice
K.VAN HERPE, Phirox, Belgium

Sprinklers as a fire safety engineering tool
A .BRINSON, EFSN, UK

The influence of risk on sustainability
B.MACGRATH - FM Global

10h30

REFRESHMENTS - NETWORKING WITH SPONSORS AND EXHIBITORS

11h00

SESSION 5
SMOKE CONTROL – ITS ROLE IN FSE APPROACHES
Session Chairman: Agustin GARZON - AFITI, Spain

New guidance for the thermal plume in smoke control design

Dr R. HARRISON, AECOM, UK and Dr M. SPEARPOINT, University of Canterbury, New Zealand

Ventilation to smoke shafts

P.GRIMWOOD, Kent Fire Brigade, UK

Pressure differential smoke control in case of large fires

Dr H. ERMER MISTRAL, Germany

The use of hot smoke test in SHEVS assessment – application in the metro of Madrid

G. SANTOS, METRO MADRID, Spain

Engineered solutions for smoke control installations - Guidelines for the selection of fire sizes for the calculations as well as recommendations for the installation & maintenance of SHEVS

P.FREY, BGV, Switzerland

Tunnel ventilation for fast growing fires

T.LEMAIRE, Efectis, Netherlands

13h15-

BUFFET LUNCH IN THE EXHIBITION AREA - NETWORKING WITH SPONSORS & EXHIBITORS

14h15

14h15

SESSION 6
PASSIVE FIRE PROTECTION
Session Chairman: Louis LUCAS – AFPPI, France

Mineral and matrix engineering: a powerful new approach in the development of high performance products for fire protection of different constructions

Dr O.ANTON PRTC, Belgium

Structure fire resistance: A joint approach between modelling and full scale testing for a global building analysis

Dr F. ROBERT, CERIB, France

A new method in calculating the fire protection of composite (steel and concrete) structures in fire situations

Dr B. ZHAO, CTICM, France

The modelling of fire resistance tests for extended application

Dr. A. BREUNESE, Efectis, Netherlands

16h15-

REFRESHMENTS - NETWORKING WITH SPONSORS AND EXHIBITORS

16h45

16h45

SESSION 7
FSE CASE STUDIES
Session chairman: Daniel JOYEUX – EFECTIS France

The global approach of FSE in modern building design: the fully glazed Louis Vuitton building

P. VAN HULLE and A. WYZGOLIK, Efectis, France

The use of FSE to design warehouses using concrete structures

F.MAIBECHE, CERIB, France

The contribution of FSE to update fire safety in different types of existing warehouses

Dr.D.DHIMA and X.DUPONCHEL, CSTB, France

A86 double-deck with limited height tunnel in Paris

C.BOUTELOUP, Cofirout, France

20h00-

23h30

CONFERENCE DINNER - BATEAUX PARISIENS

27 May 2011

8h30

**SESSION 8
EDUCATION IN FSE
Session Chairman: Serge HORVATH - CimBeton, France**

The training of firemen

Lt.CI J-P. SPIESS, ENSOSP, France

A new FSE academy in France

Prof.A.COPALLE, INSA,Rouen, France

Scientific support of fire safety engineering through education: a joint international effort

Prof.Dr ir B. MERCI, University of Gent, Belgium

Developing fire safety education in the university sector to meet current demands

Dr A PLATTEN, Leeds Metropolitan University, UK

9h45

**SESSION 9
EVACUATION MODELLING IN FSE
Session Chairman: Christian HÄFELFINGER – BGV Switzerland**

Examples of how the numerical evacuation model can benefit modern architecture

Dr P.TOFILO & M.CISEK Poland

The combination of egress model and smoke model applied in the Philharmony building

G. AUGUIN & P. RAYNAUD, Efectis France

Scientific approach of evacuation based on FSE principles

M. TANCOGNE-DEJEAN , ATILH, France

Computational fluid dynamics as a tool of fire engineers – good practice

G. SZTARBALA – ITB, Poland

**10h45-
11h15**

REFRESHMENTS - NETWORKING WITH SPONSORS AND EXHIBITORS

11h15

**SESSION 10
FIRE SAFETY MANAGEMENT AND CONTROL
Session Chairman: Tadeusz CISEK – Protect, Poland**

Fire safety management of the knowledge within the organization: focus on inspection, maintenance and use of FSE designed installations

M.DELRUELLE, ANPI, Belgium

Fire safety engineering & fire protection systems

A.MUELLER , CNPP, France

Evaluation of the numerical models on experimental fires at the Arcueil hotel

A.THIRY, LCPP, France

Where does the role of the fire safety engineer start and end in the design and construction of a project?

J.C. DE SMEDT, EFECTIS, Belux

13h15

**CLOSE OF THE CONFERENCE
Jean-Claude DE SMEDT & Christian HAEFELFINGER
Summary of the Conference & Announcement of EUROFIRE 2013 in Switzerland**

**13h30 -
14h45**

BUFFET LUNCH & DEPART