

1. Welcome and introductions

2. Approval of the agenda

First day was stressed into preparation of the new COST action and the second day to the COST C26 conference 21-23 October 2010 in Naples.

3. Introduction of New WG3 members

No new members were proposed.

4. Preparation of the next COST Action

The procedure for application of the new COST Action was discussed.

The form for application was distributed. The comments are welcomed till 28 February. The provisional title is

Integrated strategies for fire safety

(Integration of fire engineering, and fire response for improve fire safety

WG1 Life

WG2 Life and safety

WG3 Integrated design

The ad hook group for the preparation of the application: F. Wald, I. Burgess, Y. Wang., M. Gillie, M. Veljkovic and D. Pintea.

5. Presentation of the technical results

The members of the WG1 presented their work during the conference. The list of selected papers:

Paulo VILA REAL: Evaluation of the Fire Resistance of a Sport Hall using Structural Fire Engineering

Martin GILLIE: Generalised thermal and structural fire analysis with GENISTELA and GENISTRUC

Hamid BOUCHAÏR: Tests and Modelling of Wood in Shear at Elevated Temperatures

Meri CVETKOVSKA: Fire Resistance Curves for RC Columns

Mariusz MAŚLAK: Fire Resistance Assessment for Differentiated Safety Requirements

Markku HEINISUO: Integrated Fire Engineering of Steel Skeleton using Well Established Fire Sources

Ian BURGESS: A New Design Method for Industrial Portal Frames in Fire

Dan PINTEA: Fire Analysis of Structures in Seismic Areas

Yong WANG: Integrity of fire resistant construction, developing a methodology to control fire induced progressive structural collapse

Mónika HAJPÁL: Fire Damage of Stone Structures

6. Presentation of the overseas experts to the future goal of WG

The invited experts (KORDUR, Venketash, USA; FEENEY, Martin, New Zeland; CHOI, Sengkwan, Korea and Ian Burgess UK) presented their position/advices to the focus of the WG into: Fire modelling / integrated fire design; Existing buildings and fire design/ a change of the purpose of the building during the Conference.

7. Preparation of the materials COST C26 conference 21-23 October 2010 in Naples

Two proposal of the selection of the subject to be modified during the meeting is below:

The classical format:

Application of fire engineering

F. Wald (CZ), I. Burgess, Y.C. Wang, J.M. Fransen, M. Heinisuo

Application of fire modelling	<u>M. Gillie (UK)</u> , I. Burgess, J-M. Franssen, L. Kwasniewski, Y. Wang
Latest developments in global analysis in fire	<u>L. Kwasniewski (PL)</u> , M. Gillie (UK), I. Burgess, J-M. Franssen, Y. Wang
Research in material properties at elevated temperature	<u>D. Pintea (RO)</u> and <u>M. Hajpál (HU)</u> , R. Zaharia, Kaliske, G. Kaklauskas, D. Bacinskas, V. Gribniak, A. Török, M. Hajpál
Application of member behaviour, analysis and design in fire	<u>N. Lopes (P)</u> , P. Vila Real, B. Uppfeldt, M. Veljkovic, L. Simões da Silva, J-M. Franssen, A. Bouchair, J-P. Muzeau, O. Vassart, D. Bacinskas, G. Kaklauskas, V. Gribniak, M. Cvetkovska, L. Lazarov, E. Nigro, G. Cefarelli
Developments in connection behaviour and analysis	<u>I. Burgess (UK)</u> , A. Santiago, F. Wald
Risk management and structural analysis in case of fire after earthquake	<u>R. Zaharia (RO)</u> , <u>B. Faggiano (I)</u> , M. Esposito, D. Pintea
Existing buildings and fire design	<u>Nigro/Hajpál/Wald/All members</u>

The structuralised format:

- Existing buildings
- Cooperation to practice
- Benchmarks
- Key studies
- Future needs

The members of the WG decided to rediscuss the materials for the COST C26 Conference 21-23 October 2010 in Naples during the next meeting.

8. WG1 focus in 2009-10

Based on MU the WG will focus to:

- Existing buildings and fire design/ a change of the purpose of the building
- The application of Performance based design
- Fire modelling

9. Activity of the WG1 till the end of the action in May 2010

WG2, WG3 and WG4 Southampton	27-28 March meeting
Roma meeting, during PROHITEC conference	21-24 June 2009
Aveiro meeting	27-28 November 2009
April meeting	April 2010
Naples Conference	21-22 October 2010

10. Registration of the COST C26 web page

The colleagues of the WG are asked to register the web page at Thompson to allow the colleagues to present their work in COST locally. Dan Pintea kindly offered to help the Action vice-chairman Prof. Euripidis Mistakidis with the registration.

11. Closure of the meeting

In Prague, 23 February 2009
By František Wald