

## Participants

Any individual professional interested in training on the Eurocodes and particularly in Structural Fire Design may apply for participation. However, an average of four participants from each country will have the possibility to participate.

Priority will be given to participants recommended by National Authorities and/or National Standardisation Bodies.

A "first come, first served" policy will be applied for registration acceptance as there is a limited number of participants.

Participants can come from EU Member States, EFTA Member States and EU Candidate Countries.

## Event Registration

The application for participation is individual. Interested participants are requested to register online at:

<https://jrc-meeting-registration.jrc.ec.europa.eu>

Details for the event registration procedure are provided at the Eurocodes website at: <http://eurocodes.jrc.ec.europa.eu>

The **deadline for application** in the workshop registration site is **30 September 2012**.

Shortly after application, a confirmation of registration acceptance will be sent to the applicant by the Organising Committee.

## Attendance Fees

No registration/attendance fees are requested from the participants. They are responsible for their own travel, accommodation and subsistence costs, which will not be reimbursed by the European Commission.

The participants should take care of their own travel and accommodation arrangements.

## Workshop Material

Relevant materials will be distributed to the participants.

## Venue

SOFITEL BRUSSELS LE LOUISE

Avenue de la Toison d'Or 40, Brussels, Belgium

Tel : +32 (0) 2 514 22 00

## Language

English (no translation will be provided).

## Organising Committee

A. Pinto, A. Athanasopoulou, B. Acun, M. Poljanšek and C. Carniel  
*Joint Research Centre*

B. Zhao  
*CEN/TC250 Horizontal Group-Fire*

## With the Support of

European Commission  
DG Enterprise and Industry: V. Leoz Argüelles, M. Fuchs  
Joint Research Centre: A. Pinto, M. Poljanšek

CEN/TC250: J.-A. Calgaro (Chairman), M. Greenley (Secretariat)  
CEN Management Centre: A. Da Costa, G. Ascensao

## Further Information

Eurocodes - Structural Fire Design Workshop Secretariat  
European Commission  
Joint Research Centre (JRC)  
ELSA, IPSC  
TP 480, Via E. Fermi, 2749  
I-21027 Ispra (VA), Italy  
Tel.: +39 0332 789484, Fax: +39 0332 789049  
Email: [eurocodes-fire2012@jrc.ec.europa.eu](mailto:eurocodes-fire2012@jrc.ec.europa.eu)

<http://eurocodes.jrc.ec.europa.eu>

The European Commission website on the Eurocodes



**EUROCODES**  
BACKGROUND AND APPLICATIONS

**STRUCTURAL  
FIRE DESIGN**

**27-28 NOVEMBER 2012**  
**BRUSSELS, BELGIUM**

**ORGANISED AND SUPPORTED BY**  
**EUROPEAN COMMISSION**  
DG ENTERPRISE AND INDUSTRY  
JOINT RESEARCH CENTRE

EUROPEAN COMMITTEE FOR STANDARDIZATION  
CEN/TC250 – HG FIRE

## Towards the Eurocodes Era

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The Eurocodes have reached the final stage of national implementation by the Member States.

The Eurocodes are becoming the European-wide means for structural design of works contributing towards an internal market with free circulation of construction products and services. The potential opportunities stemming from cross-border trade are of interest to the entire industry, the design and construction sectors of the civil engineering and building industries.

To achieve an adequate application of the Eurocodes in the Member States, all involved actors, including National Standardization Bodies, Technical and Scientific Organisations and especially, the design and construction industry, must be prepared and ready to use them. For this purpose and in line with the Commission Recommendation of 11 December 2003 (2003/887/EC), technical training, continuing professional development and university courses should be arranged and encouraged at national and international level. Training of staff is the responsibility of industry, in cooperation with National Authorities and National Standardisation Bodies.

A strategy and a general programme for promotion and training on the Eurocodes have been established through the project: "Support to the implementation and further development of the Eurocodes" (JRC report: <http://eurocodes.jrc.ec.europa.eu/doc/EUR22857EN>). Three levels of training are included in the programme:

- o Level 1 – the policy of Eurocodes implementation, National Annexes, co-existence with National Codes, etc;
- o Level 2 – introductory courses for each individual Eurocode;
- o Level 3 – comprehensive courses with design examples of a number of typical structures using a particular package of Eurocodes.

The European Commission contributes towards consistency in the adoption and use of the Eurocodes in the Member States and to facilitate training and awareness campaigns. The website "Eurocodes: Building the future" (<http://eurocodes.jrc.ec.europa.eu>) serves as a platform for the collection, exchange and dissemination of training and promotional material and information.

## Objectives

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This workshop (Level 2/3) with emphasis on **worked examples** intends to contribute towards the transfer of background knowledge and expertise on Eurocodes-Structural Fire Design Parts from CEN/TC250 Horizontal Group-Fire to potential trainers at national level and Eurocode users.

The principal objectives of the workshop are to:

- o transfer knowledge and information to representatives of key organisations/institutions, industry and technical associations in Member States;
- o provide state-of-the-art training material, background information and worked examples to Eurocodes trainers and users;
- o facilitate exchange of views, networking and cooperation.

## Programme

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The workshop will commence in the morning of November 27 and conclude in the afternoon of November 28. The workshop sessions will present the **fire resistance assessment** of structures according to the Eurocodes. Each session will focus on a specific structural material (i.e. steel, concrete, masonry, etc) and will address the principles and design methods followed by worked example(s). Definitions of actions in fire situations will also be presented with basic principles and examples at the beginning of the workshop sessions.

More details on the workshop sessions and program can be found at the Eurocodes website at: <http://eurocodes.jrc.ec.europa.eu>

<http://eurocodes.jrc.ec.europa.eu>

The European Commission website on the Eurocodes

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## Agenda

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### Tuesday, November 27

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09:30 – 9:45

**Welcome addresses**

*JRC, European Commission*

*DG Enterprise, European Commission*

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9:45 – 10:00

**Introduction**

*J.A. Calgaro - CEN/TC250 Chairman*

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10:00 – 10:15

**Coffee break**

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10:15 – 12:30

**Actions in fire situation:**

- basic principles

- worked examples

*O. Vassart - ArcelorMittal*

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12:30 – 13:30

**Lunch break**

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13:30 – 15:30

**Fire resistance assessment of steel structures:**

- basic design methods

- worked examples

*B. Zhao - CEN/TC250 HG-Fire Convenor, CTCIM*

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15:30 – 16:00

**Coffee break**

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16:00 – 18:00

**Fire resistance assessment of steel and concrete composite structures:**

-basic design methods

-worked examples

*L.G. Cajot - ArcelorMittal*

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### Wednesday, November 28

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09:00 – 11:00

**Fire resistance assessment of concrete structures:**

- basic design methods

- worked examples

*F. Robert - CERIB*

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11:00 – 11:30

**Coffee break**

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11:30 – 12:30

**Fire resistance assessment of masonry structures:**

- basic design methods

- worked examples

*U. Meyer - Arbeitsgemeinschaft Mauerziegel*

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12:30 – 13:30

**Lunch break**

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13:30 – 15:30

**Fire resistance assessment of timber structures:**

- basic design methods

- worked examples

*A. Frangi - ETH Zurich*

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15:30 – 16:00

**Conclusions and closure**

*JRC, European Commission*

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16:00 – 16:30

**Coffee**

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\* There will be a dedicated "Discussion and Questions" part in each session