Participants

Any individual professional interested in training on the Eurocodes 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.

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 August 2010**.

Shorty 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 may find financial support from their National Administration, industry or from other sponsoring sources.

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

Workshop Material

A “training package” consisting of the presentations handouts and the technical papers with the worked examples plus all other relevant materials will be distributed to the participants.

Venue

Austrian Federal Ministry for Transport, Innovation and Technology, Radetzkystrasse 2, 1030 Vienna, Austria.

Language

English (no translation will be provided).

Organising Committee

M. Géradin, A. Pinto, A. Athanasopoulou, H. Varum, D. Strezova
Joint Research Centre

S. Denton, G. Tsionis
CEN/TC250 HG Bridges

E.M. Eichinger-Vill
Austrian Federal Ministry for Transport, Innovation and Technology

With the Support of

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Joint Research Centre

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

Austrian Federal Ministry for Transport, Innovation and Technology

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Further Information

Bridges Workshop Secretariat
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EUROCODES
Bridges: Background & Applications

Workshop on
BRIDGE DESIGN TO EUROCODES
with worked examples

4-6 October 2010

Vienna, Austria

First announcement

Organised and supported by

European Commission: DG Enterprise and Industry and Joint Research Centre

CEN/TC250, CEN/TC250 HG Bridges, CEN Management Centre and Member States

Austrian Federal Ministry for Transport, Innovation and Technology

Austrian Standards Institute

Towards the Eurocodes Era

The Eurocodes are now (2010) reaching 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, technical training, continuing professional development and university courses should be arranged and encouraged at national and international level. According to Annex A of Guidance Paper L, 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:

- Level 1 – the policy of Eurocodes implementation, National Annexes, co-existence with National Codes, etc;
- Level 2 – introductory courses for each individual Eurocode;
- 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

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

The principal objectives of the workshop are to:

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

Preliminary Programme

The workshop will commence in the afternoon of October 4 and conclude in the morning of October 6. An introductory session on the first day will cover the Eurocodes system and the details of the bridge worked example. Eurocode Basis of Design (EN 1990) and Actions on Bridges (EN 1991) will also be discussed on the first day. The sessions on the second and third day will be entirely dedicated to the analysis and design of bridges with the Eurocodes. More details on the workshop sessions can be found at the Eurocodes website at: http://eurocodes.jrc.ec.europa.eu

The National Contacts of the CEN/TC250 Horizontal Group-Bridges will be invited to attend a special workshop for the morning of October 4 and the afternoon of October 6. The objectives of the special workshop sessions are to understand national experience in Eurocodes implementation relating to bridges and to contribute towards the forward programme of maintenance and evolution of the Eurocodes.

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

The European Commission website on the Eurocodes

Preliminary Programme

Monday, October 4	
13:00 – 14:00	Welcome addresses *BMVIT, DG ENTR,CEN/TC250, DG JRC, HG Bridges*
14:00 – 14:40	Introduction to workshop *S. Denton*
14.40 – 15:00	Introduction to design examples *P. Crespo*
15.00 – 17:00	Basis of design (EN 1990) *S. Denton*
17.00 – 18:30	Actions on bridges (EN 1991) *P. Croce, N. Malakatas*
Tuesday, October 5	
09:00 – 09:20	Structural modelling and analysis *L. Davaine*
09:20 – 11:05	Concrete bridges design (EN 1992) *G. Mancini, E. Bouchon*
11:35 – 13:20	Steel bridges design (EN 1993) *G. Sedlacek, G. Hanswille*
14:20 – 16:05	Composite bridges design (EN 1994) *J. Raoul, M. Ortega, P. Crespo*
16:35 – 18:00	Special session: Austrian experiences of using Eurocodes for bridges design
Wednesday, October 6	
09.00 – 10:45	Geotechnical aspects of bridge design (EN 1997) *R. Frank*
11:15 – 13:00	Overview of seismic design issues for bridges (EN 1998) *B. Kolias*
13:00 – 13:30	Panel discussion *Members of HG-Bridges*