EC8 Webinars
Second Generation of Eurocode 8 webinar series

SECOND GENERATION OF EUROCODE 8 | WEBINAR SERIES

The European Association of Earthquake Engineering (EAEE) supports continuing education and professional development in the field of Earthquake Engineering and promotes open webinars, seminars, and workshops. EAEE is currently organizing a series of webinars on the second generation of Eurocode 8. The first event in the series is a half-day virtual webinar in March 2022, which will offer information on the forthcoming Part 1-1: General rules and seismic action of the 'second generation' Eurocode 8.

THE CONCEPT

The structural Eurocodes are a set of design standards for building and civil engineering works, developed by the European Committee for Standardization (CEN). In most European countries they replaced the former design standards. Countries outside Europe have also adopted the Eurocodes as their national standards, such as Singapore, Hong Kong, and Dubai. In response to the European Commission mandate M/515 published in 2012, CEN set out a work programme for developing the second generation of Eurocodes which, among others, includes:

• The extension of existing rules to include new materials, products and construction methods;

• Reduction of the number of Nationally Determined Parameters, so as to achieve better harmonization.

Project Teams started working on the second generation of Eurocodes in 2015, and the last of them have finished their work in 2021.

The European Association of Earthquake Engineering (EAEE), through its Working Group 12 (Continuing Education and Professional Development) is organizing a series of webinars on the second generation of Eurocode 8. These webinars, in addition to providing a general overview of the final drafts of all parts of the new Eurocode 8, will discuss the changes and innovations being adopted in them.

Webinars to be launched and coordinators for each part:

• **Webinar 1-1**: General rules and seismic action (**Pierre Labbé**, PT1 Leader of SC8; **Atilla Ansal**, Vice-President of EAEE)

Webinar 1-1.1: Organisation and concepts of EN1998 Webinar 1-1.2: Seismic action Webinar 1-1.3: Modelling, analysis and verification rules Webinar 1-1.4: Use of anti-seismic devices

• **Webinar 1-2**: Rules for New Buildings (**Andre Plumier**, PT2 Leader of SC8; **Radu Văcăreanu**, Vice-President of EAEE)

Webinar 1-2.1: Reinforced concrete buildings Webinar 1-2.2: Steel buildings and Aluminium buildings Webinar 1-2.3: Composite Steel-Concrete Buildings Webinar 1-2.4: Timber buildings Webinar 1-2.5: Masonry buildings Webinar 1-2.6: Miscellaneous items related to the design of new buildings

• **Webinar 2**: Bridges (**Paolo Franchin**, PT6 Leader of SC8; **Andreas Kappos**, Coordinator of WG11 of EAEE)

Webinar 2.1: Bridge classification and structural analysis Webinar 2.2: Structural analysis for bridges accounting for spatial variability of ground motion Webinar 2.3: Integral abutment and cable-stayed bridges Webinar 2.4: Bridges equipped with antiseismic devices

Webinar 3: Assessment and etrofitting of buildings and bridges (**Andreas Kappos**, PT3 Leader of SC8; **Rita Bento**, Coordinator of WG12 of EAEE)

Webinar 3.1: Basis of design and data for assessment Webinar 3.2: Structural analysis, verification, and design of interventions Webinar 3.3: Assessment and retrofit of reinforced concrete structures Webinar 3.4: Assessment and retrofit of steel structures Webinar 3.5: Assessment and retrofit of timber buildings Webinar 3.6: Assessment and retrofit of masonry buildings Webinar 3.7: Assessment and retrofit of bridges

Webinar 4: Silos, tanks, pipelines, towers masts and chimneys (**Christoph Butenweg**, PT4 Leader of SC8; **Fabrizio Paolacci**, Coordinator of WG13 of EAEE)

Webinar 4.1: Silos Webinar 4.2: Tanks Webinar 4.3: Above-ground pipelines Webinar 4.4: Buried pipelines Webinar 4.5: Towers, masts and chimneys Webinar 4.6: Ancillary elements in industrial facilities

Webinars 5: Geotechnics (**Alain Pecker**, PT5 Leader of SC8; **Kyriazis Pitilakis**, President of EAEE)

Webinar 5.1: Basis of design and Seismic action Webinar 5.2: Soil-structure interaction and foundation systems Webinar 5.3: Underground and retaining structures

TARGET AUDIENCE

The second generation of Eurocode 8 webinar series is primarily designed for Civil/Structural Engineers engaged in design or construction (preferably with 3-5 work experience) and researchers with knowledge and interests in the Earthquake Engineering field. As participation will be limited to a maximum number of attendees, priority will be given to EAEE individual

members and those nominated by the National Associations of Earthquake Engineering (up to two participants).

DETAILS FOR THE EVENT PLANNING

Venue & Dates

Due to the continuously evolving situation with the COVID-19 pandemic, the second generation of the Eurocode 8 webinar series will be delivered remotely, using the Zoom platform. The first planned event is a half-day webinar on the **30th of March** 2022, which will cover *Part 1-1: General rules and seismic action of the second generation Eurocode 8*.

Event Registration

Registration of the participants will be done online through a dedicated registration site to be announced. There will be no registration fee for the webinar series.

Webinar material

The presentations of the speakers will be available to all that have registered to the Eurocode 8 Webinar and will also be uploaded on the EAEE website.

Language

All presentations and lectures will be in English; no translation will be provided (please refer to the Zoom platform automatic translation features).

ORGANIZING COMMITTEE

Rita Bento (coordinator) Christoph Butenweg, Dietlinde Köber, Gabriele Milani, Jean François Semblat, Luca Pelà, Ricardo Monteiro *(members of WG12 of the European Association of Earthquake Engineering)*

Organised by the

European Association of Earthquake Engineering (EAEE) Email: eaee@eaee.org EAEE: www.eaee.org with the support of the Eurocode 8 Subcommittee (SC8) Chairman (Philippe Bisch) and the leaders of the SC8 project teams.