



КАМАРА НА ИНЖЕНЕРИТЕ В ИНВЕСТИЦИОННОТО ПРОЕКТИРАНЕ

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ПОКАНА

за участие на членове на КИИП в продължаващо обучение, организирано от
Европейски Съвет на Инженерните Камари (ECEC)

**Webinar: Actions on structures – Application of the Eurocodes 1990 and
1991-1 as daily practice**

**Prof. Dr.-Ing. Rüdiger Höffer, CE
Ruhr-Universität Bochum, Germany**

Място на провеждане: Зала на КИИП, гр. София, бул. Хр. Смирненски 1
Дата и продължителност: 15.05.2015, 3 уч. часа, 12.00–15.15
Такса участие в първи модул: безплатен за членове на КИИП
Брой участници: максимален 40
Работен език: английски език

Европейски Съвет на Инженерните Камари (ECEC), съгласно решение, прието на Общото събрание на ECEC, ноември 2014 г., организира провеждане на продължаващо обучение (CPD) за оправомощените инженери, членове на ECEC.

Обучението за 2015 г. ще се проведе в четири модула /лекции/, както следва:

May 2015	EN 1990, Basis of structural design EN1991(Eurocode1), Actions on structures Prof. Dr.-Ing. Rüdiger Höffer, CE Ruhr-Universität Bochum, Germany	Webinar
June 2015	EN1992(Eurocode2), Design of concrete structures Prof.Dr.-VladimirBenko,CE,Slovakia	Webinar
September 2015	EN 1995(Eurocode5), Design of timber structures MaurizioPiazza,Prof.UniversityofTrento,Italy	Webinar
November 2015	Energy Efficiency of Buildings Helmut Krames, CE, Germany (tbc)	Webinar

Обучението ще се провежда под форма на Webinar, като се използва GoToMeeting софтуеър.

Организация за провеждане на първи модул на 15.05.2015 г. /петък/:

Поради ограничения брой участници (25) за целия Webinar, всяка Камара, член на ECEC, заявила желание за участие, получава възможност за свързване на два компютъра on-line. Чрез

мултимедия, екран и озвучаване, ще се осигури on-line представяне на лекцията и участие на присъстващите с възможност за задаване на въпроси

Предвижда се кратък тест за доказване участието в обучението, което носи съответно точки за участниците / за Камарите, при които продължаващото обучение е задължително /. Тестът няма да бъде сложен и ще бъде предоставен на участниците предварително.

Презентацията ще бъде изпратена предварително на участниците на посочена от тях електронна поща.

Ще бъде направен запис на целия Webinar, който ще е достъпен за всички членове на ЕСЕС.

Регистрация за участие в обучението ще се извършва от Централен Офис на КИИП.

Необходимо е да заявите желание за участие на тел. 02 969 2075; 0896 686 125 или на е-мейл: m_tsvetkova@kiip.bg в срок до 14.05.2015. Допълнителна информация – инж. Мария Стефанова, тел: 0884 705 766.

инж. Мария Стефанова
ЕСЕС Координатор

инж. Стефан Кинарев
Председател на УС на КИИП



**“Actions on Structures – Application of the Eurocodes 1990 and 1991-1 as daily practice”
Abstract of the lecture for CPD (Continuous Professional Development) program of the ECEC**

Lecture according to the action plan on Continual Professional Development (CPD) organized by the European Council of Engineers Chambers (ECEC).

Today the EN Eurocodes family is regarded as the most comprehensive and technically advanced suite of standards for structural design in engineering practice. The European committee for Standardization CEN estimates that the EN Eurocodes affect the work of around 500.000 professional engineers across Europe.

As substantial parts, the Eurocodes EN 1990 and EN 1991-1 form the basis for the structural design of conventional buildings and civil engineering works in the framework of a first order reliability concept and enable engineers to formulate characteristic as well as nominal load assumptions for the dominant sector of building types.

In many European countries the application of EN Eurocodes and the respective National Application Documents have been made obligatory by official decrees during the last years. Prior and in parallel to this, the principal market of the building sector has raised demands of elevated technical qualities already since 2010 which are in the first place achievable by the adoption of Eurocode rules into the design. Hence, the engineer’s community has gained wide experiences of the application of Eurocodes and the National Application Documents. However, engineer’s daily practice is full of problem solutions which open demands for a sound interpretation of detailed rules and gives space for optimizations. This refers especially to the determination and the application of the actions on structures which are variable in space and time-variant such as wind and snow loads, which can be optimized via reduction factors, or which consider and cover resonant or non-linear structural effects. Another special complex of demands emerges for the design of constructions which interfere with the building stock in different manners.

The webinar offers the possibility to receive selected information about important background features of the European Standards EN 1990 and EN 1991, and to learn about how to optimize the practical application.

Concerning the explained matters the following Eurocodes and parts of the Eurocodes are discussed during the lecture:

- | | |
|---------|---|
| EN 1990 | Basis of Structural design |
| EN 1991 | Part 1-1: General actions - Densities, self-weight, imposed loads for buildings |

Part 1-3: General actions - Snow loads
Part 1-4: General actions - Wind loads
Part 1-7: General actions – Accidental loads

Lecturer:

Prof. Dr.-Ing. Rüdiger Höffer

Full professor at Ruhr-Universität Bochum, Institute of Structural Engineering

State-approved Inspection Engineer for Structural Safety

Consulting Engineer and Associate of IRS Engineering Society for Building Constructions GmbH,
Düsseldorf/Germany

Member of CEN / TC 250 SC1

Member of the German code committee DIN-NABau

Curriculum Vitae and Professional Profile of Univ.-Prof. Dr.-Ing. Rüdiger Höffer

- born 1961 in North Rhine-Westphalia, Germany;
- studied Civil Engineering at the Ruhr-Universität Bochum, graduated 1988 as Diplom-Ingenieur (corresponding to the master degree);
- worked as Research Assistant at the Ruhr-Universität Bochum;
- worked as Research Fellow at the Danish Maritime Institute, Copenhagen, Denmark and at the University of Florence, Italy;
- worked as a Design Engineer at Florence, Italy, and at Duesseldorf, Germany;
- graduated 1996 as Doctor of Engineering in Structural Engineering at the Ruhr-Universität Bochum;
- was appointed 2003 as Full Professor of Wind Engineering and Fluid Mechanics at the Ruhr-Universität Bochum;
- was a member of a Collaborative Research Centers funded by the German Science Foundation, “Life-time oriented Design Concepts“ (2003-2007);
- published around 50 papers, co-editor and co-author of several books; guest editor of “Journal of Wind-Engineering and Industrial Aerodynamics”, Elsevier
- acted as co-chairman of several conferences in the fields of Wind Engineering and Structural Dynamics;
- is member of the Management Committee and state-nominated German delegate of the COST action C14 on wind impact in the built environment;
- is member of the Management Committee and state-nominated German delegate of the COST action TU 1304 on wind energy harvesting;
- Teaching Professor at the Bauhaus-Universität Weimar, Germany, since 2008;
- Teaching Professor at the Vietnamese-German University Ho Chi Minh City, Vietnam since 2010;
- member of the national code committee Actions on structures“ since 2009;
- member of and German delegate to the code committee „CEN/TC 250 "Structural Eurocodes"/SC 01 Eurocode 1, Actions on structures“ since 2010;
- obligatory member of the Engineering Chamber of North Rhine-Westphalia;
- state-recognized Proofing Engineer for Structural Safety since 2010;
- Consulting Engineer, associate of the engineering company IRS GmbH, Duesseldorf, since 2011;
- was awarded 2009 the Honorary Membership of the Macedonian Association of Structural Engineers MASE;
- received 2014 an Official Acknowledgment for Continuous Support of Young Researchers by the Faculty of Civil Engineering of the St. Cyril & Methodius Univ. Skopje;
- member of the Editorial Board of the journal „Engineering Structures“, Amsterdam / St. Louis;
- is Coordinator of DYNET/SEEFORM, a South East European – German network for research and education, since 2004.

Bochum, 07.10.14

R. Höffer