

DESIGN OF CONCRETE STRUCTURES USING EUROCODES

20-21 September 2012, Vienna, Austria

Day 1 20 September 2012

09:00 - 10:00 Registration

10:00 - 12:00 Session 1

Johann Kollegger Christian Schranz	Reception
Artur V. Pinto	Achievements in Eurocodes Implementation. Where Do We Stand?
Frank Fingerloos	Modification of Crack Control in the German National Annex of EN 1992-1-1 - Background and Results
Emmanuel Bouchon	Application of Eurocodes to Concrete Bridges in France
Viktor Sigrist	Design and Analysis of Members in Shear
Susanne Gmainer	Comparison of the National appendices of the Eurocode 2 for the Shear and Punching Shear Capacity
Jürgen Feix	Evaluation of International Design Rules for Punching and Resulting Consequences for Future European Codes

12:00 - 13:30 Lunch Break

13:30 - 15:30 Session 2

Guiseppe Mancini	Keynote
David Wimmer	Torsion Capacity of Prestressed Concrete Girders
Patrick Huber	Shear carrying capacity of Old Highway Bridges and Railroad Bridges According to Eurocode 2 and the fib Model Code 2010
Carsten Siburg	Punching Design of Foundations According to Eurocode 2
Jan Bujnak	On the Maximum Resistance of Concrete Slab Reinforced Against Failure by Punching
András Draskóczy	Numerical Investigation of the Shear Behaviour of Tested Reinforced Concrete Beams
Jaroslav Halvonik	Design of Foundation Slabs and Footings for Shear

15:30 - 16:00 Coffee Break

16:00 - 18:00 Session 3

Walter Potucek	Keynote
Klaus Holschemacher	Aids for Design of Reinforced Concrete Structures According to Eurocode 2
Andreas Kolbitsch	Interface Between HPC and RC Components - Fracture Mechanical Properties
Csaba Simon	Comparing EC2-Based Design with Test Results of High Performance Concrete Members Reinforced with High Grade Steel at ULS and SLS level
Julius Soltesz	Concrete Shell Elements - Computation of HCLPF for 3D Shell Modelled RC Structures
Krzysztof Chudyba	Simplified Calculation Methods for RC Columns Fire Resistance According to EN1992-1-2
Michaela Kofler	Practical Design of Concrete Columns with Regard to Fire Resistance
Viktória Vass	Fire Design of Concrete-Steel Composite Structures

19:00 Conference Dinner

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Day 2 21 September 2012

09:00 - 11:00 *Session 4*

Joost C. Walraven	Keynote: Eurocodes and the Assessment of Existing Concrete Bridges
Petr Novotny	Bridges with Progressively Erected Cross Section
Emmanuel Bouchon	Design of a Precast Segmental Bridge Using Eurocodes
Jiří Stráský	Dynamic Response of Concrete Footbridges
Krzysztof Chudyba	Load-Bearing Capacity for Slender Concrete Walls Under Compression
Martin Moravcik	Time Dependent Influences on Non-Homogeneous Bridge Structure Behavior

11:00 - 11:30 *Coffee Break*

11:30 - 13:30 *Session 5*

Mikael Hallgren	On the Minimum Reinforcement for Crack Control According to EC2
Katarina Gajdosova	Crack Width Control According to EN 1992
Tan Kang Hai	Discussions on Design of Precast Prestressed Planks and Biaxially-Loaded Slender Columns Using EN 1992-1-1:2004
Ludovit Fillo	Resistance of Columns Subjected to Axial Load
Stefan Grambicka	Reinforced Concrete Columns, Analysis of the Influence of Transverse Reinforcement
Viktor Borzovič	Flat Slab Reinforcement with Regard to the Distribution and Redistribution of Internal Forces