

REPORT ABOUT THE SUCCESSFUL CCC2017 CONGRESS, 31 AUG. – 1 SEPT. 2017 TOKAJ, HUNGARY

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Intention of CCC Congresses (Central European Congress on Concrete Engineering) in general is to provide a regular forum for meeting and technical discussions of experts in the field of concrete engineering. Practicing engineers – both from design and construction – as well as researchers are meeting regularly. The series of CCC Congresses were founded by Austria, Croatia, Czech Republic, Hungary in 2004. Poland joined some years later.

This event attracts engineers from design, material production, prefabrication, quality control and research.

CCC2017 had 186 registered participants from 17 countries (Austria, Belgium, Bosnia Herzegovina, Brasilia, Czech Republic, China, Croatia, Hungary, Poland, Republic of South Africa, Switzerland, Serbia, Slovak Republic, Slovenia, USA) from 4 continents (Europa, Asia, Africa és America).

Interest from so many counties indicates that there is an interest towards the performance of Central-European countries in the world.

The Congress has been organized at the Conference and Cultural Centre of Tokaj, Hungary 31 August – 1 September 2017 that provided an excellent possibility for all the particular events of the Congress including: Oral Sessions, Poster Sessions as well as the Exhibition

Main organizer of CCC2017 Congress was the Hungarian Group of fib (International Federation for Structural Concrete). Co-organizers were: Faculty of Civil Engineering of Budapest University of Technology and Economics, Associoiaons CemMBeton and MABESZ.

The CCC2017 Congress Proceedings (including 83 written contributions) can be directly downloadable form the following homepages www.fib.bme.hu/ccc2017.html

The title of CCC2017 expresses the intention to advanced materials and advanced solutions in the field of concrete engineering:

Innovative materials and technologies for concrete srtructures.

Topic 1

TAILORED PROPERTIES OF CONCRETE

Environmentally compatible cements. New types of Aggregates. High performance admixtures. High strength and high performance concretes. Fibre reinforced concrete. Lightweight concrete. Green concrete. Applications.

Topic 2

ADVANCED REINFORCING AND PRESTRESSING MATERIALS AND TECHNOLOGIES

Metallic and non-metallic reinforcements. Internal and external reinforcements. Applications.

Topic 3

ADVANCED PRODUCTION AND CONSTRUCTION TECHNOLOGIES

Concrete structures meeting high requirements. Prefabrication. Design aspects. Applications.

Topic 4

ADVANCED CONCRETE STRUCTURES

Recent successful application of concrete for bridges, buildings and other structures.

Topic 5

MODELLING, DESIGN AND CODIFICATION

In the following you find the specific list of subjects addressed by the contributions for CCC2017 indicating a wide range of subjects of concrete engineering in alphabetic order:

Fig 1: CCC2017, Tokaj, Opening ceremony (31 Aug, 2017)



Fig 2: CCC2017, Tokaj, Opening - the audience (31 Aug, 2017)





Fig 3: CCC2017, Tokaj, The organizing countries (31 Aug, 2017)



Fig 7: Presentation by Andor Windisch



Fig 4: Presentation by Jan Vitek (Praha)



Fig 5: Presentation by Jelena Bleiziffer (Zagreb)



Fig 6: Presentation by Mark Salamak (Gliwice)

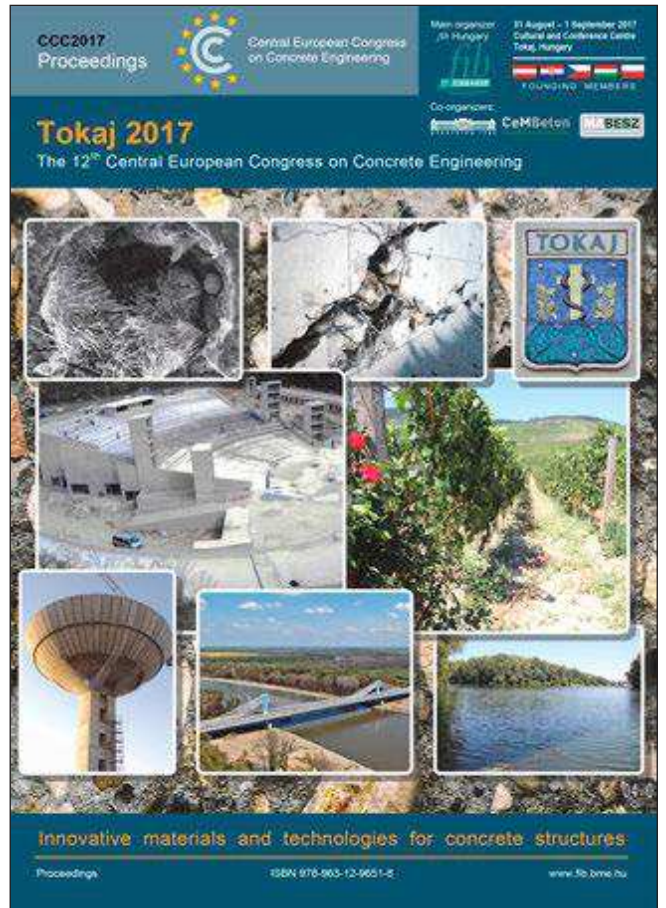


Fig 8: CCC2017 Proceedings – <http://www.fib.bme.hu/konyvek/ccc2017.pdf>

Additives (1), BIM (1), Bond (3), Bridges (14), Carbon nano tubes (1), Cements with low alkali content to bridges (1), Creep (1), Compressive strength (1), Corbel (1), Cracking (2), Deformations (2), Digital image correlation (2), Durability (3), Early age concrete (1), Fastenings (2), *fib* MC2010/EC2 (6), Foundations Fire resistance (3), (1), Fracture mechanics (1), Frames (1), Fresh and hardened concrete properties (1), FRC (10), FRP (4)UHPC/HSC (8), High rise buildings (1), Integrated sensors (1), Joints (1), Life cycle analysis (1), Modulus of elasticity of concrete (2), Monitoring (2), Numerical simulations (4), Precast concrete (5), Prestressed concrete (5), Probabilistic studies (1), Recycling (4), Rheological aspects (2), Shear (4), Shells (1), Sprayed concrete (1), Steel-concrete composite (1), Strengthening (5), Supplementary cementitious materials (1), Thaumassite (1), Tunnel lining (1), Visual programming (1), Water tightness (1) and 100y old concretes.

I take this opportunity to express our thanks for the sponsors of CCC2017: *A-Hid Co.* (main sponsor), *Duna Drava Cement Ltd. from Heidelberg Group*, *Sika Hungary Ltd.*, *Mapei*, *Hydrastat Ltd.* and *Sauska Winery*.

We express our thanks also to the exhibitors of CCC2017: *Cervenka Consulting*, *Swietelsky Hungary Ltd.*, *Meselia-*

NewChem and Aigner Albrecht Anlagenbau. CCC2019 Congress will be organized next time in September 2019 in Croatia. You are kindly invited to join.

György L. Balázs
Chairman of Scientific Committee for CCC2017 Tokaj