

## 12<sup>th</sup> CCC CONGRESS TOKAJ 2017

„Innovative materials and technologies for concrete structures”  
31 August - 1 September 2017, Tokaj, Hungary

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### CONGRESS SECRETARIAT

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### GENERAL PROGRAMME

Wednesday 30 Aug. 2017	Thursday 31 Aug. 2017	Friday 1 Sept. 2017
	<b>9<sup>00</sup> Opening</b>	<b>9<sup>00</sup> Technical Sessions</b>
	Technical Sessions	Technical Sessions
	Lunch	Lunch
Arrival	Technical Sessions	
Registration		<b>Technical Excursion</b>
<b>Welcome Drink</b>	<b>Congress Dinner</b>	

### Pre- and Post-Congress tours

Pre- and Post-Congress tours are recommended in the Tokaj region as well as in Hortobágy, Debrecen or Nyíregyháza.

### EXHIBITION

A technical/commercial exhibition will be organized during the Congress to demonstrate new materials, products, technologies and services. The exhibition will be directly next to the Session rooms. You are kindly asked to indicate your interest to the organizers to make part of the exhibition.

### SPONSORSHIP OPPORTUNITIES

Sponsorship of the Congress is welcome. Appreciation of sponsorship will be given several ways during the Congress.

### CONGRESS DINNER

A special Congress Diner will be organized. Details are available on the homepage of the Congress.

### ACCOMPANYING PERSON'S PROGRAMME

Accompanying persons are warmly welcome to attend the Congress. Special programme will be organized for them. Details are available on the homepage of the Congress.

### CONGRESS VENUE

Tokaj – Cultural and Conference Complex  
Tokaj, Serház street 55.  
GPS: 48.12641525268555 | 21.41019630432129



### TOKAJ and Tokaj Region

The cultural landscape of Tokaj graphically demonstrates the long tradition of wine production in this region of low hills and river valleys. The intricate pattern of vineyards, farms, villages and small towns, with their historic networks of deep wine cellars, illustrates every facet of the production of the famous Tokaj wines, the quality and management of which have been strictly regulated for nearly three centuries. Located at the foothills of the Zemplén Mountains (in North-East Hungary), along the Bodrog river and at the confluence of the Bodrog and the Tisza Rivers, the Tokaj Wine Region Historic Cultural Landscape was inscribed on the World Heritage List in 2002. The World Heritage property and its buffer zone together cover the administrative area of 27 settlements (13,245 ha and 74,879 ha, so 88,124 ha in total).

The entire landscape, its organisation and its character are specially shaped in interaction with the millennial and still living tradition of wine production. Documented history of the wine region since 1561 attests that grape cultivation as well as the making of the ‘aszú’ wine has been permanent for centuries in the area surrounded by the three Sátor-hegy (the Tokaj-hill, the Sátor-hill of Abaújszántó, and the Sátor-hill of Sátoraljaújhegy). The legal base of delimitation of the wine region is among the first in the world and dates back to 1737 when the decree of Emperor Charles VI (Charles III, King of Hungary) established the area as a closed wine region.

The unique combination of topographic, environmental and climatic conditions of the Tokaj Wine Region, with its volcanic slopes, wetlands creating a special microclimate that favours the apparition of the “noble rote” (*Botrytis cinerea*), as well as the surrounding oak-woods have long been recognized as outstandingly favourable for grape cultivation and specialized wine production. All these features have enabled the development of vineyards, farms, villages, small towns and historic networks of wine cellars carved by hand into mostly volcanic rocks, which

are the most characteristic structures in Tokaj: that of King Kalman in Tarcal is known to have been in existence as early as 1110. There are two basic types of cellar in Tokaj: the vaulted and the excavated. The socio-cultural, ethnic and religious diversity of the inhabitants, together with the special fame of the Tokaji Aszú Wine has contributed to the rich and diverse cultural heritage of the region.

## CONGRESS TOPICS

Contributions focused on the following topics are invited.

### 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**

## IMPORTANT DATES

### 15 March 2017 Submission of Abstracts

Abstracts are to be submitted to the Congress homepage including name(s), address(es), phone, fax and e-mail number(s) of author(s) together with the suggested Congress Topic where the abstract belong to.

### 15 April 2017 Confirmation of acceptance of Abstracts

### 15 May 2017 Submission of manuscripts

Accepted contributions will be either presented orally or in the Poster Session. Both oral and poster presentations will be published in the Congress Proceedings. The Poster Session will be continuously open during the Congress.

## OFFICIAL LANGUAGE

The official language of the Congress is English. In addition, simultaneous translation into Hungarian and other languages can be organized.

## INVITATION and OBJECTIVES

It is a great honour for me to invite you to the 12<sup>th</sup> Central European Congress on Concrete Engineering in Tokaj, Hungary. The Congress focuses on Innovative Materials and Technologies for Concrete Structures. Concrete is an ever developing construction material. There is a continuous development on material properties, constructability, economy as well as aesthetics.

The Congress intends to overview properties of new types of concrete (including all constituents) and reinforcements as well as their possible applications which already exist or can exist in the future.

The host organisation of the CCC2017 Congress is the Hungarian Group of *fib*. The Congress is jointly organized by the Faculty of Civil Engineering of Budapest University of Technology and Economics.

We have the pleasure to invite representatives of clients, designers, contractors, academics and students to take part at this regional event, which will give excellent social and technical conditions for exchange of experience in the field of concrete engineering.

The 12<sup>th</sup> Central European Congress on Concrete Engineering will take place in the beautiful ambient of Tokaj region (Hungary) that is listed as a UNESCO World Heritage site.

As the Chairman of the CCC2017 Congress, I am looking forward to welcoming you in Tokaj, Hungary at the beginning of September 2017 which is a very pleasant period of the year there.

**György L. Balázs**

Chairman of CCC2017 Congress

Honorary President of *fib*

(International Federation for Structural Concrete)

Professor at Faculty of Civil Engineering, BME

## ABOUT CCC

The four founding countries – Austria, Croatia, the Czech Republic and Hungary – decided in 2004 to collaborate more closely and to launch as their first joint project the Central European Congresses on Concrete Engineering (CCC Congresses) as a forum for an annual cross-border exchange of experience among principals, authorities, contractors, design engineers and academics in the field of construction materials and technology, concrete structures and civil engineering, as well as applied research and development.

In our Congresses new achievements are presented to specific fields of concrete engineering: The 1<sup>st</sup> CCC Congress in Graz (Austria) 2005 was devoted to Fibre Reinforced Concrete in Practice; 2006 Hradec Kralove (Czech Republic) Concrete Structures for Traffic Network, 2007 Visegrád (Hungary) Innovative Materials and Technologies for Concrete Structures; 2008 Opatija (Croatia) Concrete Engineering in Urban Development; 2009 Baden (Austria) Innovative Concrete Technology in Practice; 2009 Mariánské Lázně (Czech Republic) Concrete Structures for Challenging Time, 2011 Balatonfüred (Hungary) Innovative Materials and Technologies for Concrete Structures, 2012 Plitvice Lakes (Croatia) Durability of Concrete Structures. After Poland joined to the association in 2012 the next congress was held in Wrocław (Poland) Concrete Structures in Urban Areas (2013), 2014 Liberec (Czech Republic) Concrete Technology in Practice.

In Hainburg in 2015 we decided to have the Congresses biannual in order to be able to give enough time for preparing contributions on important new constructions as well as on important new scientific results.

The CCC2017 Congress in Tokaj focuses on Innovative Materials and Technologies for Concrete Structures. Concrete is an ever developing construction material. There is a continuous development on material properties, constructability, economy as well as aesthetics.

## DATE AND PLACE

12<sup>th</sup> CCC Congress

31 August – 1 September 2017

Tokaj – Cultural and Conference Complex

TOKAJ, Serház street 55, Hungary

**CCC2017 Tokaj**

**31 Aug. – 1 Sept. 2017**

The 12<sup>th</sup> Central European Congress on Concrete Engineering

**Innovative materials and technologies for concrete structures**

1<sup>st</sup> Announcement and Call for Papers



Host CCC Association  
Hungarian Group of *fib*

Co-organisers:

**CeMBeton**  
az építés alapja

*fib*  
CEB•FIP  
Hungary

**BME (1782)**

[www.fib.bme.hu/ccc2017.html](http://www.fib.bme.hu/ccc2017.html)