

CCC 2024  
Preliminary Invitation  
and Call for Papers



14<sup>th</sup> Central European Congress  
on Concrete Engineering  
14. Středoevropský  
betonářský kongres

# MIKULOV 2024



CCC MEMBER COUNTRIES



**Concrete structures – design, construction  
and rehabilitation in the transition period**

**Preliminary Invitation  
and Call for Papers**

Host CCC Association  
**Czech Concrete Society**  
Česká betonářská společnost ČSSI  
*fib* Czech national member group  
[www.csbetoneu](http://www.csbetoneu)

**CBS**

*fib*  
CEB-FIP

**MIKULOV 2024**

September 22 – 25, 2024

Hotel Galant, Mikulov

Czech Republic

**Congress website**

[www.csbetoneu/en/seminars](http://www.csbetoneu/en/seminars)

# ABOUT CCC INITIATIVE

## ABOUT CCC

The four founding countries – Austria, Croatia, the Czech Republic and Hungary – decided in 2004 to collaborate more closely and to launch the CCC 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 2012, Poland was accepted as the fifth CCC member country.

From 2015, member countries decided to organize the congress every second year. After unexpected break due to the covid the CCC tradition was renewed in 2022 and now will follow regularly in two years intervals.

The 14th CCC will be held in Mikulov in 2024 after 13 Congresses held in CCC member countries Graz 2005, Hradec Králové 2006, Visegrád 2007, Opatija 2008, Baden 2009, Mariáské Lázně 2010, Balatonfüred 2011, Plitvice 2012, Wrocław 2013, Liberec 2014, Haingurg 2015, Tokaj 2017, Zakopane 2022.



## INVITATION AND OBJECTIVES

It is a great honour and pleasure for the Czech Concrete Society to organise the Central European Congress on Concrete Engineering in 2024. After three events organised in Czechia in 2006, 2010 and 2014, it will be the Congress reflecting the turbulent development in civil engineering in actual time. After the covid crisis, we face the war in Ukraine. The economy of construction industry was influenced significantly. Beside that the necessity to contribute to savings of our environment leads to development of new technologies which are more friendly to the environment. The cement is a basic material for concrete production and now it will be replaced by modified products with lower contents of clinker or with completely different binders. Sustainable development and its criteria will influence the construction process from the conceptual design to construction methods and even to demolitions. Longer service life of structures and preserving of existing structures using advanced methods of their rehabilitation can contribute significantly to the sustainable development. Important changes expected in the construction industry are the reason for the title of the Congress “Concrete structures – design, construction and rehabilitation in the transition period”.

It is expected that the papers presented at the Congress will touch the hot topics of these days. The proposed topics are summarised below in this announcement. The members of the scientific and organizing committees believe that the delegates will present examples of positive contributions to the development, but also that the negative examples will be presented. On behalf of the Czech Concrete Society, we look forward to meeting you at the next CCC 2024 Congress in Mikulov, in Czechia in September 2024.

# ORGANIZER

## ORGANIZER

Hosting association of the 14<sup>th</sup> CCC Congress MIKULOV 2024 is the Concrete Society (CBS)

Congress Secretary

Czech Concrete Society

Na Zámecké 9

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Czech Republic

Tel.: +420 775 124 100, +420 605 404 598

Email: [office@cbsbeton.eu](mailto:office@cbsbeton.eu)

<https://www.cbsbeton.eu/en/seminars>

## SCIENTIFIC COMMITTEE

Jan L.VÍTEK, Chairman (Czech Republic);

Robert COUFAL (Czech Republic);

Milan KALNÝ (Czech Republic); Jan NOVÁČEK

(Czech Republic); Lukáš VRÁBLÍK

(Czech Republic); Jan BILISZCZUK

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(Poland); Renata KOTYNIA (Poland);

György L. BALÁZS (Hungary); Koris KÁLMÁN

(Hungary); Katalin KOPECSKO (Hungary);

István SAJTOS (Hungary);

Sándor SOLYOM (Hungary); Johannes HORVATH

(Austria); Johann KOLLEGER (Austria);

Peter KREMNIČEK (Austria); Michael PAUSER

(Austria); Dirk SCHLICKE (Austria);

Josip GALIĆ (Hrvatska); Davor GRANDIĆ

(Hrvatska); Ivana ŠTIMAC GRANDIĆ

(Hrvatska); Marija KUŠTER MARIĆ (Hrvatska);

Andelko VLAŠIĆ (Hrvatska)



## ORGANIZING COMMITTEE

Miloš ZICH, Chairman (Czech Republic);

Kateřina HAMPLOVÁ (Czech Republic);

Petra JOHOVÁ (Czech Republic);

Paweł HAWRYSZKÓW (Poland); Marek SALAMAK

(Poland); Marco TEICHGRAEBER (Poland);

Olivér CZOBOLY (Hungary); Olivér FENYVESI

(Hungary); János MAGYAR (Hungary);

Bernd KRONFUSS (Austria); Daniela MÖSSLER

(Austria); Jürgen SILBERKNOLL (Austria);

Jelena BLEIZIFFER (Hrvatska); Mladen SRBIĆ

(Hrvatska); Paulo ŠČULAC (Hrvatska)

# CALL FOR PAPERS

## CALL FOR PAPERS

Participants wishing to present a paper are invited to submit an abstract of 200–300 words by **February 29, 2024**. Abstracts in English only have to be sent electronically to the CCC2024 Secretariat on-line via the CCC2024 web site <https://www.cbsbeton.eu/en/seminars/122/14-ccc-2024#registration> or via e-mail [office@cbsbeton.eu](mailto:office@cbsbeton.eu)

The CCC2024 Scientific Committee (SC) will be reviewing the abstracts submitted and notifying their main/corresponding authors by February 29, 2024. Authors of accepted abstracts will be invited then to submit their full papers for both the oral and poster sessions at the 14<sup>th</sup> CCC MIKULOV 2024 by **April 15, 2024**.

All the full papers received on time and accepted by the SC will be published in the CCC2024 online proceedings.

## CONGRESS TOPICS

- **Materials:** Advanced concrete compositions, including alternative binders, passive and prestressed reinforcements, steel, non-metallic, textile reinforced concrete, UHPC etc.
- **Concrete structures:** Buildings, bridges, tunnels, industrial structures, water structures including composite structures: concrete-concrete, steel-concrete, wood-concrete and reinforced masonry structures, etc. – practical examples showing building in current conditions
- **Design methods:** Conceptual design, detailed design, design criteria, modern methods of dimensioning, application of numerical methods and advanced systems incl. BIM, quality control of the design (checking processes)
- **Methods of construction:** cast in situ and precast, composite structures, advanced methods like 3D printing, etc.
- **Durability of structures:** factors influencing durability of structures, durable structures
- **Sustainable structures:** examples of sustainable structures and design for sustainability
- **Rehabilitation of concrete structures:** strengthening, reconstructions, new technologies
- **Life cycle assessment:** prediction methods, experience from existing structures



## CONGRESS LANGUAGE

The official language of the Congress is English.

# WELCOME TO MIKULOV



## WELCOME TO MIKULOV

Mikulov is a town in the South Moravian Region of the Czech Republic. It has about 7,700 inhabitants. The historic centre of Mikulov is well preserved and is protected by law as an urban monument reservation. Mikulov is located about 18 kilometres northwest of Brno, on the border with Austria. Most of the territory lies within the Pálava Protected Landscape Area.

Mikulov is a centre of Czech wine making due to its favorable geographic location and climate, as well as its unique history. Mikulov is the centre and the namesake of the Moravian wine sub-region called Mikulovská wine region.



The main sight is the Mikulov Castle. The castle was built in the place of a Romanesque castle. At the turn of the 16<sup>th</sup> and 17<sup>th</sup> centuries, it was rebuilt in the Renaissance style, and in the late 17<sup>th</sup> century in the Baroque style. The historic town square was founded in the late 16<sup>th</sup> century near the castle. It contains Renaissance houses from the first half of the 17<sup>th</sup> century. The history of the Jewish community is presented by an educational trail through the old Jewish quarter. The synagogue, originally built in the 16<sup>th</sup> century and Baroque rebuilt after the fire in 1719, is the only preserved synagogue in Moravia of the so-called Polish type. The large Jewish cemetery is one of the most significant in the country.

## USEFUL LINKS

The municipal website of Mikulov:

<https://www.mikulov.cz/en/>

Mikulov on Wikipedia:

<https://en.wikipedia.org/wiki/Mikulov>,

<https://de.wikipedia.org/wiki/Mikulov>

# EXHIBITION

## EXHIBITION

A technical/commercial exhibition will be organized alongside with the Congress to demonstrate new technologies, materials, products and services. The exhibition will be located in a collateral hall located directly next to the main Congress Hall. All the organizations, individuals and whoever else interested in the exhibition are invited by the Congress secretariat. Exhibition information and the CCC2024 Exhibition Booth Application Form will be available on the Congress website and will be sent on request as well.

## EXCURSIONS

Excursion will be organised after the congress technical program.

## SOCIAL PROGRAMME

Social activities will include Welcome reception, Congress opening ceremony and Congress dinner.

## CONGRESS FEES

<b>Registration and payment</b>	<b>Before 31 July 2024</b>	<b>After 31 July 2024</b>
Members of the CCC associations (ČBS, fib, ÖBV, HDGK, fib Hungary and fib Poland)	495 EUR	595 EUR
Non-members	595 EUR	695 EUR
Student *)	225 EUR	295 EUR
Accompanying persons (guided cultural program and Welcome event included)	235 EUR	305 EUR
Gala Dinner	80 EUR	80 EUR

**All the prices are in EUR, including VAT 21%**

\*) special fee for members up to 30 years old

Registration fee includes participation at welcome reception, opening ceremony, technical sessions, lunches, and coffee breaks and proceedings in electronic form.



## IMPORTANT DATES FOR YOUR DIARY

Abstracts submission:	March 8, 2024
Registration open:	Within March 2024
Abstract acceptance:	March 15, 2024
Full paper submission:	April 15, 2024
Registration for the authors:	April 30, 2024
Reviewing process:	April 30 – May 30, 2024
Full paper submission after review:	June 30, 2024
Early bird registration deadline:	July 31, 2024