

WHY MATERIALS WILL MAKE OR BREAK THE CIRCULAR ECONOMY?

The scope of the conference is to highlight the importance of sustainable development for our future being with main focus on construction materials. Scientific and technical papers sustaining this importance are invited to present their efforts.

CONFERENCE VENUE

COMS 2017 will be held at the Kolovare hotel in Zadar, Croatia. The hotel is situated close to the Zadar International Airport with complementary shuttle service available to hotel guests. The city is located just few minutes from the hotel.

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COMS_2017

CONSTRUCTION MATERIALS FOR SUSTAINABLE FUTURE

1ST INTERNATIONAL CONFERENCE

19 - 21 April 2017,
Zadar, Croatia

UNIVERSITY OF ZAGREB FACULTY OF CIVIL ENGINEERING DEPARTMENT OF MATERIALS



ZAVOD ZA
GRADENIŠTVO
SLOVENIJE

SLOVENIAN
NATIONAL BUILDING
AND CIVIL ENGINEERING
INSTITUTE



Bundesanstalt für
Materialforschung
und -prüfung

CALL → FOR PAPERS

Important dates:

**Deadline for abstract
01.09.2016.**

**Deadline for full paper
15.12.2016.**

**Notification of
acceptance
20.01.2017.**

Official languages of the conference are Croatian and English. Simultaneous translation from English to Croatian and from Croatian to English will be provided during the conference.

Payment options and instructions will be available through conference web site from 15 July 2016 .

1. INNOVATION IN MATERIALS TECHNOLOGY

- innovative materials solutions
- materials for energy efficiency and thermal comfort
- special purpose materials
- advanced testing techniques

2. MATERIALS – ENVIRONMENT INTERACTION

- corrosion of materials
- long performance and self healing materials
- durability performance in harsh environments
- service life and performance prediction models

3. SUSTAINABLE BUILDING DESIGN

- efficient building envelopes
- new technologies for buildings and smart systems
- building performance
- ICT in buildings

4. ASSESSMENT AND HEALTH MONITORING

- sensors and smart structures technologies
- structural health monitoring
- damage detection and prognostics
- life cycle assessment and life cycle costs

5. PROTECTION, PRESERVATION AND REPAIR OF STRUCTURES

- condition assessment
- non-destructive and destructive techniques
- protection and preservation of historic structures
- case studies on repair, rehabilitation and retrofitting of structures

6. MODELLING AT MATERIAL AND STRUCTURAL LEVEL

- advanced materials modelling
- multidiscipline modelling
- multiscale modelling

7. SOCIAL, ECONOMIC AND HEALTH ASPECTS OF THE BUILT ENVIRONMENT

- engineering ethics
- risk mitigation
- solutions for sustainable challenges
- education in civil engineering

ORGANIZERS:

The conference is organized by University of Zagreb Faculty of Civil Engineering with co-organizing institution University of Novi Sad Faculty of Technical Science, ZAG - Slovenian National Building and Civil Engineering Institute and BAM Federal Institute for Materials Research and Testing

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