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Abstracts and proceedings

Authors are invited to submit 300 words abstract in <https://www.conftool.org/icbbm2021/>
The abstracts must be written in English.

Option 1 :

One page abstract: (choose option 1) Poster + Flash presentation (3 min during special session)

Option 2 :

Normal paper: (choose option 2) and after decision your paper will follow reviewing process and will be published in Academic Journal of Civil Engineering <https://journal.augc.asso.fr/index.php/ajce>

Presentation of 15 min + 5 min during session dedicated to your topic

Registration

The early bird full delegate fee is 550€, which includes lunches, refreshments, welcome reception and proceedings. The RILEM delegate early bird fee is 500€, which includes all the above. The early bird student fee is 350€, which includes all the above. Accompanying persons: 100€, only for participation in the social events.

ICBBM

Fourth International Conference on Bio- based Building Materials (3BM)

June 16th-18th 2021
Barcelona, Spain

First Call for Papers
Submission of abstracts
DEADLINE
September 30th 2020



American Concrete Institute
Always Advancing



Venue

Barcelona, the capital of Catalonia, is a Mediterranean and cosmopolitan city with Roman origin, medieval quarters and incredible examples of Catalan Modernism. Several masterpieces of the modernist architects Antoni Gaudí and Lluís Doménech i Montaner have been declared World Heritage Sites by UNESCO.

Barcelona enjoys a Mediterranean climate, with mild winters and warm summers. It is a coastal city and has over four kilometers of urban beaches and large areas of nearby forest. Although it is a large city, it is easy to get around on public transport and on foot. You can reach any point in the city by metro, bus and taxi. There are a large number of hotels offering a wide range of options to suite all budgets.



Your host

The Universitat Politècnica de Catalunya · BarcelonaTech (UPC) is a public institution of research and higher education in the fields of engineering, architecture, sciences and technology, and one of the leading technical universities in Europe. Every year, more than 6,000 bachelor's and master's students and more than 500 doctoral students graduate.

The conference will take place in the Barcelona School of Building Construction, which is specialized in education programs and research related with architectural technology and geomatics.



Scope

We aim to be this century's leader in sustainable materials. Biomaterials are processed or engineered products obtained partially or fully from renewable biobased resources, including natural fibre composites, bioplastics, biorubbers, biofoams, bioadhesives, bioinks, biobased paints and coatings.

The conference is expected to attract a wide range of academics, scientists, researchers, students, designers, policy makers and other industrialists from a wide variety of backgrounds, including fields of engineering, materials, sustainable, architecture, and ecological technologies, biomaterials, materials sciences, environmental engineering and government agencies, etc.

The ICBBM is an international forum for information dissemination and exchange, discussions and debates on research and practice related to innovative bio-construction materials and technologies with objectives for sustainable development.

Conference website

<https://sites.google.com/view/icbbm2021>

Correspondence

All correspondence should be addressed to:
icbbm2021@gmail.com

Conference topics

The general topics to be covered include:

- Cementitious composite
- Bio-polymer, bio-composite
- Test methods
- Natural fibres and materials
- Design with natural fibre composites, wood, bamboo for structures
- Rammed earth
- Mechanical properties of 3BM
- Physical properties of 3BM
- Acoustic of bio-based materials
- Fire resistance
- Thermal properties
- Hygroscopic and hygrothermal properties of 3BM
- Durability and performance of 3BM
- Bio-microbial and bio-degradation of 3BM
- Innovative hybrid composites natural fibres
- Vegetable waste materials and natural bio-admixtures for binders
- Material treatments of 3BM
- Advances in research methodologies and bio-materials testing
- Construction with low binder sprayed concrete on bio-based building materials
- Construction materials and technologies for sustainability, energy efficiency
- Life-cycle assessment of 3BM
- Green and renewable energy applications in construction
- Eco-friendly binders with low CO₂-emission and low embedded energy
- Case studies

Important dates

Submission of abstracts: September 30th, 2020

Registration Opening : January 1st, 2020

Conference: June 16-18th, 2021