



## Call for abstracts



### Conference Contact

Email: [info@susbuildmat.com](mailto:info@susbuildmat.com)



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Organized by  
**Eindhoven University of Technology**

in cooperation with  
**Wuhan University of Technology**



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## ICSBM 2019

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2<sup>nd</sup> International Conference on Sustainable Building Materials

August 12-15, 2019  
Eindhoven, The Netherlands



## Introduction

The building sector is by far the largest consumer of raw materials and producer of human-made materials. From a sustainability and circularity point of view, the effects of this demand can among others be mitigated using biogenic resources, smart material design, enhanced durability, functionalization, reuse and recycling, and the use of side streams ("waste"). The conference addresses this challenge starting from a scientific approach: building materials science being a syncretic discipline hybridizing mineralogy, ceramics, solid-state physics, chemistry, metallurgy, and biology. Advanced characterization and treatment methods, together with novel technologies and modelling tools, are vital for the study and improvement of the complete life cycle of building materials, from raw materials to production, use, and recycling.

Following the success of the previous conference in Wuhan in 2017, we are pleased to announce the organization of the 2<sup>nd</sup> International Conference on Sustainable Building Materials, **ICSBM 2019**, in Eindhoven, the Netherlands.

Researchers, scientists, engineers, and professionals are invited to submit abstracts and subsequently full papers to the conference in the scope of the following (non-exhaustive) list of topics:

## Main Topics

**New cementitious binders:** engineered OPCs, supplementary cementitious binders, alkali-activated binders, calcium sulfoaluminate cement (CSA), magnesium oxychloride cement (MOC), calcined clays, etc.  
Hydration, modelling, performance, durability, and repair.

**Greened materials/products:** concrete, autoclaved aerated concrete, wood-wool cement composites, gypsum wallboards, fired clay, unconventional clays and aggregates, alternative chemical admixtures, mortars, etc.

**Waste recovery, treatments and valorisation:** municipal solid waste incineration residues, steel converter slags, mine tailings, paper sludge incineration ashes, biomass incineration ashes, etc.  
Characterization of waste residues, enhancing treatments (physical, chemical and thermal), alternative raw materials, second life, environmental impact, modelling of hydration and leaching etc.

**Biogenic materials:** bio-fibers, bio-aggregates, alternative natural fibers, agricultural and biorefinery residues etc.

**Functionalized materials:** nano-engineered, coated, photocatalytic, self-cleaning, self-healing, hydrophobic, etc.



### Call for abstracts

Papers to be presented and to be included in the conference proceeding are solicited. All papers will be peer-reviewed and evaluated based on quality, innovation, and relevance. Excellent papers will be recommended for publication as full-text improved manuscripts, in the special issues of the journals:

- Construction and Building Materials
- Springer **Nature** Applied Sciences

**SUBMIT your ABSTRACT**



### Important Dates

1<sup>st</sup> November 2018  
31<sup>st</sup> January 2019  
1<sup>st</sup> March 2019  
15<sup>th</sup> April 2019  
15<sup>th</sup> May 2019  
15<sup>th</sup> June 2019

Call for abstracts  
Abstracts submission deadline  
Notification of acceptance of abstracts  
Full papers submission  
Notification papers review  
Revised papers submission deadline

## Scientific Committee

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## Workshops

Thematic workshops will be provided, e.g., on microscopy (**Prof. H. Pöllmann**), on 3D printing/additive manufacturing (**Prof. T.A.M. Salet**), on matchmaking for international cooperation, and for corporate presentations.

Parallel presentation sessions, poster sessions, and company exhibition stands will be held for the duration of the conference.

A complete social program (covering all lunches, breaks, and dinners) will be included (4 days).

A social and touristic programme will be suggested for partners/days after the conference.