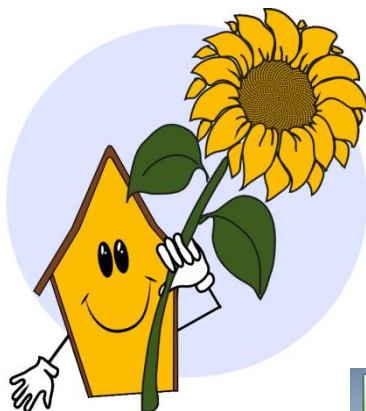


ICBBM

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

June 21st - 23th 2017
Clermont-Ferrand, France

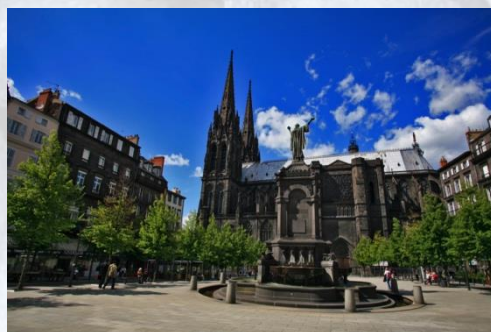
First Call for Papers
Submission of abstracts:
DEADLINE
September 30th 2016



Venue and accommodation

Located 400 km south of Paris and less than 200 km west of Lyon, Clermont Ferrand can be reached easily either by plane or by train. The most convenient transportation from Paris is the plane which departs either from airport Charles de Gaulle or Orly airport. You can also easily join Clermont-Ferrand by train, from Bercy train station. It is a 3h trip from Paris to Clermont Ferrand and trains depart every hour during rush hours.

Delegates will have a wide choice of accommodation at special rates. World class hotels and guest houses are available close to the University. Hotel and accommodation details will be made available at the conference website.



Registration

The full delegate fee will be €600 which includes lunches, refreshments, welcome reception and proceedings. The student fee will be €350 which includes all the above. A day delegate fee will be €300 which includes lunch, refreshments and proceedings. Accompanying persons: €100, only for participation in the social event.

Conference website

<https://sites.google.com/site/icbbm/ecografi2017/>

EcoGRAFI 2017

First International Conference on ECOlogical valorisation of GRAnular and FIBrous materials

June 21st - 23th 2017
Clermont-Ferrand, France

First Call for Papers

Submission of abstracts:
DEADLINE
September 30th 2016



EcoGRAFI

Chairs:

Sofiane AMZIANE, IP-UBP, Clermont-Ferrand, France

Pierre BREUL, IP-UBP, Clermont Ferrand, France

International Scientific committee

- S. Amziane, IP-UBP, FRA
- M. Arroyo, PUCB, ESP
- JE. Aubert, LMDC, FRA
- C. Bacconnet, IP-UBP, FRA
- G. Baudouin, IP-UBP, FRA
- N. Benhammed, Irstea, FRA
- F. Bouteldja, U. Guelma, DZA
- P. Breul, IP-UBP, FRA
- O. Buzzi, Newcastle University, AUS
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- J. Canou, ENPC, FRA
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- YJ. Cui, ENPC, FRA
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- J. Otani, Kumamoto University, JP
- A Pantet, U. Le Havre, FRA
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- F. Radjaï, LMGC/MIT, FRA
- M. Sahli, EHTP, MAR
- G. Saussine, SNCF, FRA
- C. Silvani, INSA, FRA
- A. Talon, IP-UBP, FRA
- N. Touze Foltz, Irstea, FRA
- P. Villard, UGA, FRA

Abstracts and proceedings

Authors are invited to submit 300 words abstract. The abstracts must be written in English.



Scope

In front of challenges of the sustainable development, building materials constitute one of the main targets to answer the environmental issues. The development of new materials with low environmental impact, new techniques of design, implementation, control or diagnosis is a necessity. The innovative materials of mineral or vegetable origin and materials enhancing industrial by-products coming from the recycling have to answer to new requirements of performances: thermal, hydric, physical, mechanical and of durability. For that purpose, it is necessary to characterize these materials and/or their components at the time of their design or in conditions of use.

ICBBM ECOGRAFI is an international conference having for objective to review and to allow the distribution of the current knowledge around building materials and around the Civil engineering established of granular and/or fibrous materials (soils, mineral or vegetal aggregates, demolition material, industrial products for construction, ...). The conference has to allow the exchanges and discussions between researchers, engineers and industrialists on the elaboration, the design, the characterization, the performances and the experience feedback about the use of these materials in the optics of the sustainable development.

ICBBM

Chairs:

Sofiane AMZIANE, IP-UBP Clermont-Ferrand, Clermont-Ferrand, France

Mohammed SONEBI, Queen's University Belfast, Belfast, UK

International Scientific committee

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- L. Bessette, Centre Technique Louis VICAT, FRA
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- E. Toussaint, IP-UBP, FRA
- Romildo, D. Toledo Filho, University Federal of Rio de Janeiro, BRA
- P. Walker, University of Bath, UK

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Claude Bacconnet (IP-UBP)

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Evelyne Toussaint (IP-UBP)

Your host

Clermont-Ferrand sits in the Massif Central and is surrounded by a major industrial area. The city is famous for the chain of volcanoes, the Chaîne des Puys surrounding it. The famous dormant volcano Puy-de-Dôme (10 km from the city) is one of the highest of these.

Clermont-Ferrand's most famous public square is *Place de Jaude*, on which stands a grand statue of Vercingétorix sitting imperiously on a horse and holding a sword. This statue was sculpted by Frédéric Bartholdi, who also created the Statue of Liberty.



ICBBM EcoGRAFI 2017 will be in conjunction with the summer music festival.

Conference website

<https://sites.google.com/site/icbbmecograf2017/>

Important dates

Submission of abstracts: < September 30th 2016

Notification of acceptance: December 15th, 2016

Full text submission: < February 1st, 2017

Conference registration: < April 27th, 2017

EcoGRAFI Conference topics

Materials properties and characterization

- Behavior and mechanical performances of granular and fibrous materials: experiment, modelling, cyclic loading, fatigue test
- Physico-chemical properties of the granular and fibrous materials.
- Experimental characterization in laboratory
- Characterization in situ
- Degradation and instability in geo-materials

Innovation

- Innovative materials for soil and infrastructures
- Innovative materials for building
- Industrial by-products enhancement in the construction
- Biotechnologies contribution for building materials

Materials treatment and improvement

- Implementation, manoeuvrability, compaction (mixture, segregation, homogenization)
- Environment et durability
- Life cycle, energetic footprint and environmental issues of the innovative building materials
- Durability and performance of the innovative materials
- Technique of strengthening and repair
- Diagnosis, monitoring and in service control or assessment

Correspondence:

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ICBBM Conference topics

The general topics to be covered include:

- Natural fibres and materials
- Innovative hybrid composites natural fibres
- Design with natural fibre composites, Wood, bamboo for structures
- Earthen ramped
- Mechanical performances of 3BM
- Hygroscopic and hygrothermal properties of 3BM
- Acoustic of bio-based materials
- Eco-friendly binders with low CO₂-emission and low embedded energy
- Durability and performance of bio-construction materials
- Life-cycle assessment of 3BM
- Construction with low binder sprayed concrete on bio-based building materials
- Advances in research methodologies and bio-materials testing
- Green and renewable energy applications in construction
- Construction materials and technologies for sustainability, energy efficiency
- Vegetable waste materials and natural bio-amixtures for binders