

SYMPOSIUM OBJECTIVE

The main objective of **Ferro-13** is to bring together researchers and practitioners in an international forum that addresses recent advances in ferrocement and mineral composite materials such as textile reinforced cement composites. It also aims to serve as a vehicle that strengthens relationships between industry, research laboratories, and universities interested in the subject.

SCOPE

Composite materials with a mineral matrix exist in various forms, including Ferrocement and thin reinforced concrete sections, Textile Reinforced Concrete (TRC), Textile Reinforced Mortar (TRM) and other fabric reinforced cementitious matrix (FRCM) composites. These inorganic matrix composites play a leading role in the field of new construction as well as for the rehabilitation and strengthening of existing structures.

The scientific and technological challenges of these composites, at the material and structural levels, are numerous, evolving, and complex. While all these composites share the use of an inorganic matrix, they can be significantly different due to the nature of their reinforcement, steel or non-steel. Recognizing the synergies between the two groups enables a faster understanding and progress in both fields. One aim of Ferro-13 is to foster the dialogue between specialists from the two groups. This progress is crucial to our current society whether it concerns the numerical transition in construction (3D construction, prefabrication off-site, etc.), or the ecological transition (low carbon footprint materials and structures, adapted application processes, multi-functionality, etc.).

SYMPOSIUM MAIN TOPICS

- 1- New Materials and Technologies
- 2- Modeling, Analysis, Design, and Construction
- 3- Applications, Case Studies, and Innovative Projects
- 4- Durability and Life Cycle Cost Analysis
- 5- Repair, Strengthening, Rehabilitation of Existing Structures

Ferro-13 includes plenary sessions and oral presentations. The program will be designed to allow sufficient inter-communication among delegates and promote an active dialogue between academic researchers and industrial partners in order to bridge the gap between academia and pressing industrial needs.

THE 13TH INTERNATIONAL SYMPOSIUM ON FERROCEMENT AND THIN FIBER REINFORCED INORGANIC MATRICES LYON, FRANCE, JUNE 21-23, 2021

Organized by:

Amir Si Larbi

**Ecole Nationale d'Ingénieurs de Saint Etienne (ENISE),
France**

Hani Nassif

Rutgers University, New Brunswick, New Jersey, USA



IMPORTANT DATES

- Deadline for abstract submission: **October 1st, 2020**
- Notification for abstract acceptance: **November 1st, 2020**
- Full papers are due: **January 31st, 2021**
- Full papers acceptance: **March 1st, 2021**
- Final draft of accepted papers due: **March 15, 2021**
- Deadline for reduced registration fees: **March 15, 2021**

REGISTRATION

Information about registration, symposium venue, hotel accommodations, and transportation will be available on the symposium web site. The registration fee includes admission to scientific sessions, book of abstracts, coffee breaks and lunches during the symposium.

<https://ferro13.sciencesconf.org/>

	Early Registration before January 1st, 2021	After January 1st, 2021
Regular	400 €	500 €
Full time student	100 €	150 €
Gala dinner	90 €	

PAPER SUBMISSION

The Language of the conference is English. Authors wishing to present a contribution are kindly requested to submit an extended abstract (preferably 3 pages but not more) including title, author names, affiliation, and complete correspondence information for the lead author. Abstracts should also include up to eight key words.

A book of accepted abstracts will be printed for the symposium, and the symposium proceedings will be published and distributed in a digital form.

Latex and Word templates are available on the website of the conference. All submissions must be made online.

Web address: <https://ferro13.sciencesconf.org/>

A selected number of papers will be published in a special issue of the "Journal of Construction and Building Materials".

SYMPOSIUM ORGANIZATION

Co-Chairmen:

- Amir Si Larbi, National School of Engineering of Saint Etienne (ENISE), France
- Hani Nassif, Rutgers University, New Brunswick, New Jersey, USA

Honorary Chair:

- Antoine E. Naaman, University of Michigan, Ann Arbor, USA

LOCAL ORGANIZING COMMITTEE

- Nonna Algourdin, ENISE Saint Etienne, LTDS - France
- Yacine Ferroukhi, ENISE Saint Etienne, LTDS - France
- Zyed Mesticou, ENISE Saint Etienne, LTDS – France
- Antoine Bereyziat, ENISE Saint Etienne, LTDS – France

INTERNATIONAL COMMITTEE

- Chair: Tine Tysmans, Belgium
- Deputy-Chairs: John Bolander USA, and Cai Gaochuang, China

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Owen Waldshlagel, USA
Hugo Wainshtok Rivas, Cuba
Kejin Wang, USA
Nadim Wehbe, USA

* A complete list will be available on the web site

SYMPOSIUM LOCATION

Ferro-13 is scheduled to take place in **Lyon (France)** on **June 21 to 23, 2021**. At time of this writing, the exact location of the symposium venue has not been finalized. Information on the venue and local hotels will be posted on the symposium web site. Lyon, a beautiful city of art and history, is also famous for its traditional French gastronomy and hospitality. Lyon has an International Airport and is linked by high speed train (TGV) directly from Paris Charles De Gaulle Airport, in about 2 hours. Lyon can also be reached by trains and non-stop flights from several European cities (Frankfurt ; Amsterdam ; Brussels ; Paris ; Milan).



POST-SYMPOSIUM TOUR

If sufficient interest is shown by the attendees a post-convention tour (pilgrimage) will be organized to visit the museum of *Brignoles*, where *Lambot's* ferrocement boat (1848) is exposed as well as additional information about his life and invention. *Joseph Louis Lambot* invented Ferrocement which is also considered the first invention of reinforced concrete. *Brignoles* is about 3.5 hours drive from Lyon in the beautiful *Provence* region.

SCIENTIFIC COMMITTEE

- Chair: Antonio Nanni, USA
- Deputy-Chairs: Joseph Hegger, Germany, and Barzin Mobasher, USA

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Takaschi Sakai, Japan
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Aamer Syed, USA
Kay Wille, USA
Abdul Hamid Zureick, USA

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SYMPOSIUM SECRETARIAT

Zyed Mesticou

National School Engineer of Saint Etienne
58, Jean PAROT Street
42023 Saint Etienne Cedex 02, France
Fax : +33 (0)4 77 43 84 99
E-Mail : ferro13@sciencesconf.org

Web address: <https://ferro13.sciencesconf.org/>

