



UHPFRC 2017

**3rd International Symposium on Ultra-High
Performance Fibre-Reinforced Concrete**

Designing and Building with UHPFRC:

**New large-scale implementations, recent technical
advances, experience and standards**

INVITATION

October 2 - 4, 2017

**Montpellier (FRANCE)
Le Corum Congress Center**



Objectives

“Designing and Building with UHPFRC” has been the main subject addressed by UHPFRC 2009 and 2013 international symposiums that were organized in Marseille (France) under the auspices of fib, RILEM and AFGC, the French Association for Civil Engineering. Four years later, projects and constructions using Ultra-High Performance Fibre-Reinforced Concrete (UHPFRC) have definitely gained a growing importance in Europe as well as in Asia and North America.

“UHPFRC 2017” thus aims at updating and complementing experience gained in the knowledge and use of UHPFRC, based on recent practice of:

- design of building structures, components, civil works and bridges,
- industrial realizations (both on site and in precast factories) with optimized processes,
- large-scale applications, based on advanced modeling and qualification,
- development of standards and recommendations.

Most recent realizations will be presented during the symposium, either in civil engineering, buildings, or consisting of structural equipments, components and civil infrastructures, be it new construction or retrofitting. Dedicated investigations, technical lessons, scientific knowledge as well as experience of technical management, production process and organization will be analyzed, in terms of structural design and modeling, safety justification, execution reliability, achieved performance and durability. National and international research advances associated to real design and realization issues will be presented. Special focus will be put on works carried out to develop recommendations and standards covering structural design, material specification and execution of UHPFRC structures and components.

Welcome to Montpellier for UHPFRC 2017

Montpellier is one of the most dynamic mid-size cities of Southern France with renowned universities and a high quality blend of historic and contemporary urban development. UHPFRC has been used for some major architectural achievements that can be seen in Montpellier and around: “Angels Footbridge”, “pont de la République”, “La Mantilla” buildings, and the high speed railway station at “La Mogère” (now under completion).

The international conference UHPFRC 2017 will be held at Le Corum Congress Center in Montpellier from October 2 - 4, 2017. Le Corum is characterized by a unique and modern architecture. The building is dedicated to culture, business, science and combines in a single site the most modern techniques of a congress center. It is located just at the edge of the very historic city center at a 10 mn-walking distance from Montpellier-Saint Roch train station.



Angels Footbridge ©Laurent Boudereaux



The Corum Congress Center

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Chairman

Dr François TOUTLEMONDE (IFSTTAR) France



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Registration

Symposium Registration fees (VAT included)	Before June 1 st , 2017	After June 1 st , 2017
AFGC, fib, Rilem or ACI Member	€ 500	€ 600
Non-AFGC, fib, Rilem or ACI Member	€ 550	€ 650
French Administration, Students	€ 250	€ 300
Accompanying person	€ 150	€ 200

The registration fees for the Symposium UHPFRC 2017 include: access to all lectures, complete paper and electronic version of RILEM PRO 106 Proceedings, lunches of October 2nd, 3rd and 4th, coffee breaks during the conference, Welcome cocktail on October 2nd and Banquet Dinner on October 3rd.

Note: At least one author of every accepted paper has to be registered before June 1st, 2017 to have the paper included in the proceedings.

The on-line registration will be possible on the website www.afgc.asso.fr/UHPFRC2017



Mucem (Marseille, France) © Lisa Ricciotti

ACI Excellence in Concrete Construction Award, 1st prize 2015 (all categories)

Tentative program at a glance

Sunday October 1 st	Monday October 2 nd	Tuesday October 3 rd	Wednesday October 4 th
	8:30 AM – 10:00 AM Registration	8:00 AM – 8:30 AM Registration	8:00 AM – 8:30 AM Registration
	8:30 AM – 10:00 AM Welcome coffee Opening of the exhibition	8:30 AM – 10:00 AM Parallel technical sessions	8:30 AM – 10:00 AM Parallel technical sessions
	10:00 AM – 1:00 PM Opening session and plenary lectures	10:00 AM – 10:30 AM Coffee break Visit of the exhibition	10:00 AM – 10:30 AM Coffee break Visit of the exhibition
		10:30 AM – 12:00 AM Parallel technical sessions	10:30 AM – 12:00 AM Parallel technical sessions
	1:00 PM – 2:30 PM Lunch	12:00 – 1:30 PM Lunch	12:00 – 1:30 PM Lunch
	2:30 PM – 4:00 PM Parallel technical sessions	1:30 PM – 3:00 PM Plenary session: introduction to technical visits	1:30 PM – 3:00 PM Parallel technical sessions
	4:00 PM – 4:30 PM Coffee break Visit of the exhibition	3:00 PM – 4:30 PM Visit of Pont de la République and « La Mantilla » building	3:00 PM – 5:00 PM Plenary lectures Closure session
4 :00 PM – 6 :30 PM Welcome of exhibitors	4:30 PM – 6:00 PM Parallel technical sessions	4:30 PM – 6:00 PM Visit of Montpellier new high speed railway station	
	6:30 PM – 7:30 PM Welcome cocktail (to be confirmed)	7:00 PM – 11:30 PM Conference Banquet Abbaye de Valmagne	

Please note that program may slightly change until the publication of the final program so we invite you to check on the website www.afgc.asso.fr/UHPFRC2017

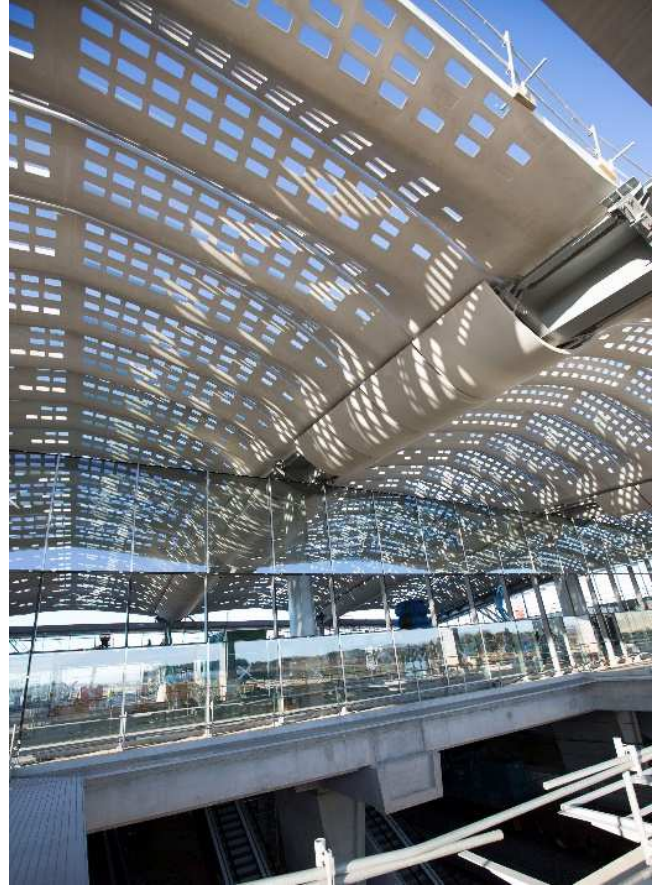
Technical Visits



Pont de la République © Lisa Ricciotti



La Mantilla © Eiffage



New high speed railway station © Fondeville

Conference Banquet



Abbaye de Valmagne

Presentation of the AFGC and the co-organizing institutions



The Association Française de Génie Civil (AFGC-French Association for Civil Engineering) is an ideal place for everyone involved in civil engineering (**engineers or technicians, architects, academics or students**) to meet and exchange ideas. The Association's aim is to link the world of materials to the world of structures, the world of education and research to the world of designing and building and to make the profession of Civil Engineering more appealing to young people. It currently has more than 1280 members. Its ambition is to promote French engineering throughout the world.



Founded in 1904, the American Concrete Institute (ACI) is a leading authority and resource worldwide for the development and distribution of consensus-based standards, technical resources, educational programs, and proven expertise for individuals and organizations involved in concrete design, construction, and materials, who share a commitment to pursuing the best use of concrete. ACI has over 101 chapters, among which the ACI Paris chapter for French-speaking European countries, and nearly 20,000 members spanning over 120 countries.



Ring of Memory (Notre-Dame de Lorette Memorial, France)

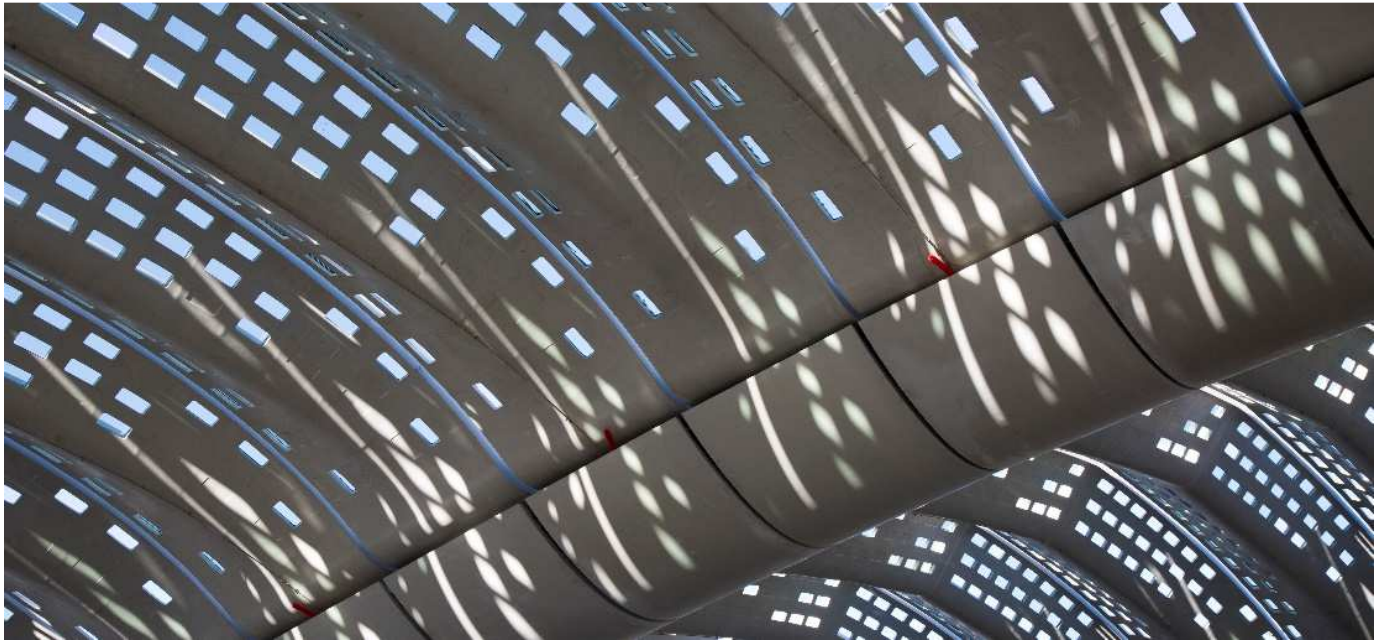
ACI Excellence in Concrete Construction Award, 1st prize 2016 (In the category Infrastructures)



The International Federation for Structural Concrete (fib - *fédération internationale du béton*) has been created in 1998 from the merger of the Euro-International Concrete Committee and the International Federation for Prestressing. The objectives of fib are to develop at an international level the study of scientific and practical matters capable of advancing the technical, economic, aesthetic and environmental performance of concrete construction. These objectives shall be achieved by the stimulation of research, the synthesis of findings from research and practice, the dissemination of the results by way of publications, guidance documents and the organisation of international congresses and symposia, the production of recommendations for the design and construction of concrete structures, the information of members on the latest developments.



RILEM, The International Union of Laboratories and Experts in Construction Materials, Systems and Structures, is a scientific association founded in France in 1947, whose vocation is to contribute to progress in the construction sciences, techniques and industries. RILEM members include the leading building research and testing laboratories around the world with interests in industrial research, manufacturing and contracting, as well as a significant number of individual members from universities and industry. RILEM meets these objectives through the work of its technical committees. Symposia, workshops and seminars are organised to facilitate the exchange of information and dissemination of knowledge. RILEM publishes the journal *Materials and Structures*, and many other publications, in the form of reports and proceedings.



New high speed railway station © Fondeville



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www.afgc.asso.fr/UHPFRC2017

We look forward to welcoming you in one of the nicest cities in Southern France, for a unique opportunity to share experience and knowledge in UHPFRC application. The exciting scientific program will comprise 110 selected and reviewed contributions: 40 from France, 22 from North America, 20 from Asia and Australia, 28 from Europe except France. 31 papers deal with realizations (monographs and/or series of applications) and 21 with prospective studies for UHPFRC projects and R&D associated to processes of UHPFRC production; 36 deal with research concerning UHPFRC mix-proportioning and material properties, structural behavior and properties of composite structures comprising UHPFRC; and 22 are related to tests and material characterization, constitutive modelling and standardization.

In Montpellier we will be able to visit the iconic technical and architectural UHPFRC achievements of Pont de la République, La Mantilla buildings and the new high speed railway station (about 80 x 100 m² UHPFRC roofing with 17m-span palm-shaped elements, presently under completion).

A bientôt.
See you in Montpellier