

Designing and Building with UHPFRC:

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

UHPFRC 2017

Montpellier: October 2 - 4, 2017

Optional post-conference tour: October 5, 2017

Name:First name:

Title:

Company:

Address:

.....

Tel : E-mail:

☐ I am interested in UHPFRC 2017, and I would like to have more information on :

☐ registration ☐ exhibition

☐ I intend to present an abstract

Title:.....

☐ I intend to participate in the exhibition

☐ I intend to join the post-conference tour

Deadlines

Submission of abstracts	September 15, 2016
Abstracts acceptance	October 31, 2016
Submission of full-length papers	January 31, 2017
Full papers delivery	April 30, 2017
Presentations delivery	September 18, 2017

GENERAL INFORMATION

The symposium will be held in Montpellier (France) from October 2 to 4, 2017. A technical visit of UHPFRC applications in Montpellier (Pont de la République, façade panels, Roofing of new High Speed railway station) will be organized on October 3.

An optional post-conference tour (UHPFRC structures in Southern France) will be planned on October 5.

Official language is English.

Call for papers

Selected papers will be presented on the basis of relevance and originality to stimulate knowledge advances and UHPFRC applications. To contribute, send a one-page abstract (300 words) to UHPFRC 2017 secretariat (afgc@enpc.fr) before September 15, 2016.

Proceedings will be published by RILEM.

Exhibition

A products and services exhibition will take place during the conference. Contact: afgc@enpc.fr

Organizing committee

Chairman: Jacques RESPLENDINO (AFGC)

Scientific committee

60 experts from 15 countries having experience of UHPFRC application

Chairman: François TOUTLEMONDE (IFSTTAR)



Pont de la République, Montpellier
Photo: Agence Rudy Ricciotti



UHPFRC 2017

Preliminary invitation Call for papers

3rd International Symposium on
Ultra-High Performance Fibre-Reinforced
Concrete (UHPFRC)

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Montpellier (France)
October 2 - 4, 2017



OBJECTIVES

UHPFRC 2009 and 2013 international symposiums were organized in Marseille (France) under the auspices of *fib*, RILEM and AFGC, the French Association for Civil Engineering. These events helped synthesizing the know-how and applications related to Ultra-High Performance Fibre-Reinforced Concrete (UHPFRC). Four years later, projects and constructions using UHPFRC have definitively gained a growing importance in Europe as well as in Asia and North America.

“UHPFRC 2017” 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),
- large-scale applications
- 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 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, without emphasizing on preliminary upstream academic investigations. 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.

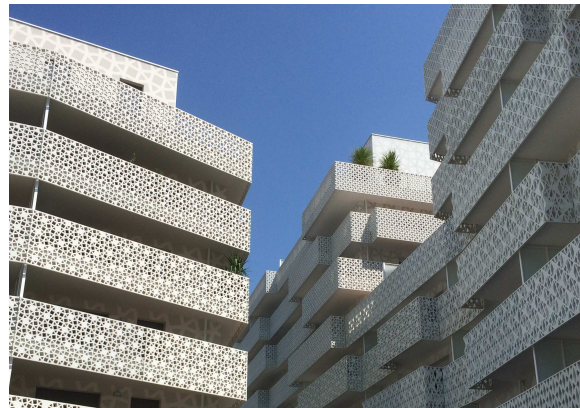
The present call for papers is dedicated to all participants in the building act, owners, designers, supervisors, materials suppliers, and members of the concrete industry, engineering offices, architects, laboratories and research centers, academic partners, checkers, who have been engaged in UHPFRC realizations. The expected communications, which should clarify the reasons for having chosen UHPFRC (aesthetics, structural performance, durability or environmental characteristics), should emphasize the experience gained and draw lessons for further applications.

www.afgc.asso.fr/UHPFRC2017

THEMES AND TOPICS

UHPFRC 2017 symposium will be devoted to the presentation of recent achievements on the following topics:

- Structural UHPFRC applications in Civil Engineering and bridge structures, major infrastructure projects, marine works, offshore structures
- Frames, roofing, large shells, building envelopes
- Building elements, functional and architectural components, aesthetics
- Strengthening, retrofitting, rehabilitation
- Durability (characterization, feedback, use in aggressive environments)
- Sustainability, local resources, Life Cycle Analysis, recycling
- Design to resist extreme conditions (fire, earthquake, blast and impacts)
- Implementation, in situ application, quality control
- Standards, recommendations, design codes, contracts and insurance issues
- Simplified vs. innovative design methods, modeling, reliability
- Fields of innovation, new markets and related technical demands



Mantilla

Photo : Eiffage Génie Civil

Symposium Secretariat

Nadjet Berrahou-Daoud

AFGC - 15 rue de la Fontaine au Roi

F- 75127 Paris Cedex 11

afgc@enpc.fr

Tel. +33 (1) 44 58 24 70

AFGC

UHPFRC 2017 Secretariat

Attention to: Nadjet BERRAHOU-DAOUD

15, rue de la Fontaine au Roi

75127 – PARIS Cedex 11

FRANCE