**International RILEM Workshop on**

**Rheological Measurements of Cement-based Materials**

**(Arras, May 30th -31st, 2018)**

[**https://irwrmc18.sciencesconf.org**](https://irwrmc18.sciencesconf.org)

**Call for Papers**

**Workshop program**

The time during which the concrete stays in the fresh state is insignificant in relation to its lifetime in the hardened state. However, its rheological behaviour influences mixing, transport, placement, consolidation and finishing, which has repercussions on the quality of the built structure.

In recent years, the study of the rheological properties of concretes made significant advances with the emergence of many fluid concretes and construction of more complex structural elements. A number of tools to characterize the rheology of concrete have been developed and implemented over the last 2-3 decades.

This workshop aims to compile submissions dealing with measuring the rheological properties of cement-based materials and new instruments allowing to quantify the concrete behaviour during casting.

This workshop will focus on several challenges in industry as well as academia and will provide innovative technological solutions.

Several sessions are planned in this workshop, animated by oral presentations, a poster session and plenary lectures.

The workshop will be held at the University of Artois located in the town center of Arras. The registration fees include: Electronic media with conference proceedings, attendance at all scientific sessions, coffee breaks, lunches, Gala dinner event.

The workshop will be preceded by a Round Robin Test, on May 29 and 30, 2018, on comparing concrete rheometers: International tests at the University of Artois (IUTB) in Bethune, France. These tests complement previous experimental campaigns at the LCPC, (Nantes, 2001) and at NIST (Cleveland, 2003).

The welcome will start on May 30, 2018 at 4 p.m.

The organizing committee counts on yours contributions to a successful day that will bring together participants from academia, research laboratories, concrete producers and materials manufacturers.

A selection of papers will be compiled by a scientific committee and published in RILEM proceeding or in other electronic format distributed among the participants.

**Topics**

* Challenges and recommendations on measuring rheological properties of cement-based materials
* New tools and procedures to measure rheological properties
* Application of rheological properties in practical situations
* Measurement and application of non-conventional rheological properties (interface rheology, friction, etc.)

**Call for papers**

Authors wishing to present a paper in accordance with the topics are invited to submit their paper online using the web-based peer-review submission system: [**https://irwrmc18.sciencesconf.org**](https://irwrmc18.sciencesconf.org)

The Scientific committee will review the papers submitted for acceptance as either oral or poster presentations. To submit a paper, authors must use the template for the abstract and full –paper. A text of 5 pages maximum is required.

**Conference Proceedings**

All papers accepted by Scientific Committee for oral or poster presentation will be available in electronic format at the beginning of the Workshop. The publication of each paper is conditional upon the presenting author registering to attend the workshop.

**Important dates for the Workshop**

December 10, 2017 Opening of the website

January 15, 2018 Registration opens

February 15, 2018 Submission of full paper

March 15, 2018 Notification of paper acceptance

April 30, 2018 Registration deadline

May 30, 2018 Welcome, gala Dinner

May 31, 2018 Workshop

**Registration Fees**

Academics: 180 €

Industrials: 200 €

Students: 100 €

**For more information contact:**

**Email : irwrmc2018@univ-artois.fr**

**Pre-Registration**

** Workshop  Dinner Gala (May 30th)  Oral presentation  Poster**

Organization/Company: ………………………………………………………………………………………………………………………

Title: …………………………………………………………………………………………………………………………………………………….

Full Academic Title: ……………………………………………………………………………………………………………………………..

First Name: ………………………………………………………………………………………………………………………………………….

Last Name/Family Name: …………………………………………………………………………………………………………………….

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