

## FIRST ANNOUNCEMENT AND CALL FOR PAPERS

Fourth International Symposium on Design, Performance and Use of

### SELF-CONSOLIDATING CONCRETE (SCC'2018-China)

&

1st International Workshop on

### RHEOLOGY AND PUMPING OF FRESH CONCRETE (RPFC'2018-China)

Changsha, China

May 10-13, 2018

### ORGANIZERS

Key Laboratory for Green & Advanced Civil Engineering Materials and Application Technology of Hunan Province  
Hunan University

### SPONSORS (preliminary)

National Science Foundation of China

### SUPPORTERS

#### RILEM

American Concrete Institute  
Asian Concrete Federation  
Chinese Ceramic Society  
China Civil Engineering Society  
Chinese Concrete Admixture Association  
Chinese Concrete and Cement Products Association

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Wei Sun	China
Changwen Miao	China

### CONFERENCE CHAIR

Caijun Shi	China
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## INTRODUCTION

The first, second, and third international symposium on SCC was held in Changsha (2005), Beijing (2009), and Xiamen (2014), respectively. Many world-leading experts in Europe, Japan and North America have given state-of-the-art speeches on SCC. The objective of SCC' 2018-China, combined with RPFC'2018-China, is to bring researchers and practitioners together to exchange the new advances on the design, construction and manufacturing of SCC.

## CALL FOR PAPERS

Topics on all aspects of SCC will be considered. Topics mainly include:

### 1. Raw Materials and Mix Design for SCC

- Selection of ingredients
- Chemical admixtures in SCC
- SCMs, fibers and nano-particles in SCC
- Aggregates in SCC
- Mix design methodology

### 2. Workability of SCC

- Rheology of SCC
- Testing, evaluation and prediction of workability
- Control of workability and its affecting factors

### 3. Properties of Hardened SCC

- Mechanical properties
- Visco-elastic properties
- Microstructure
- Durability

### 4. Structural Performance of SCC

- Structural properties of SCC elements
- Bond to reinforcement
- Seismic resistance
- Long-term properties of structural elements

### 5. Constructability and Applications of SCC

- Production and QA/QC
- Constructability and formwork pressure
- Technical and economic evaluation
- Case studies

## IMPORTANT DATES

Jan. 15, 2018 Submission of 300-word abstracts  
Feb. 15, 2018 Acceptance notification to authors  
Feb. 28, 2018 Submission of draft paper  
Mar. 31, 2018 Submission of final camera-ready manuscripts  
May 10, 2018 Registration

## SUBMISSION OF ABSTRACT AND PAPER

You can submit your abstract and paper to [scc2018@qq.com](mailto:scc2018@qq.com), and the format will be published on the website.

## CONFERENCE PROCEEDINGS

Experts in relevant areas will review all papers. Accepted papers will be published by RILEM and will be sent to ISTP for citation.

## VENUE

The conference will be held in Changsha. Changsha is an important commercial, manufacturing and transportation center in China. It was known as "Tanzhou" in ancient times, and it is a landscape town and a happy capital. Changsha is the political, economic, cultural, transportation and science and education center of Hunan province and a leading city in the Chang-Zhu-Tan urban agglomeration. Changsha is a famous historical and cultural city with a history of over 3,000 years. Changsha is the birthplace of the Chu and Han civilizations and Huxiang culture. The world archaeological miracle "Mawangdui Western Han Tombs" was unearthed here. Changsha and its surrounding areas have world-famous humanities and natural landscapes such as Yuelu Academy, Zhangjiajie and Tianmen Mountain. "Care about the world, dare to be pioneer" is the most representative character of Changsha.

## REGISTRATION FEES

	Before Mar 15, 18	After Mar 15, 18
General participant	€550	€650
Full-time student	€300	€350
Accompany	€300	€350

Fees include copy of conference proceedings, attendance at all sessions, opening reception, banquet, lunches and dinners from May 10 to 13 tea breaks during the conference, and cultural performance.

## CONFERENCE SECRETARY

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