

Program

[First day]

1. Keynote Lecture Lionel LINGER, Vinci Construction
2. Invited Lectures
 - Jean-Michel TORRENTI, IFSTTAR
 - François TOUTLEMONDE IFSTTAR
 - Bruno GODART, IFSTTAR
 - Farid BENBOUDJEMA, ENS de Cachan
 - Stéphanie STAQUET, Université Libre de Bruxelles
 - Miguel AZENHA, University of Minho
 - JCI mass concrete committee members

3. Technical Exhibition

Technical exhibition will be held in parallel with lectures and oral presentations at the place close to the Convention Hall.

[Second day]

1. Keynote Lecture Tada-aki TANABE, Prof. Emeritus of Nagoya University
2. General Presentation (Call for papers)
Sixteen oral presentations are planned.
3. Technical Exhibition

Technical exhibition will be held in parallel with lectures and oral presentations at the place close to the Convention Hall.

[Third day]

1. Excursion (Details have not been decided)

Call for Abstracts

Prospective authors are invited to submit abstracts via email by **April 30th 2016**. (CONCRACK5.Paper@gmail.com) Abstracts should have a length within 400 words and must relate to the intent of the conference as outlined. Please use Times New Roman 12 Font size and need to be written in clear English. Notifications of acceptance will be sent via email to the submitting author before May 31st 2016. Please use the template (see HP of the workshop) for your abstracts. Authors of accepted abstracts will receive

instructions on the preparation of full-length papers. All submitted abstracts will be fully peer-reviewed by the Scientific Committee. Accepted papers will be published in the conference proceedings and authors will be required to give an oral presentation at the workshop.

Important dates

Submission dead line of Abstract	Apr. 30th 2016
Notification of acceptance of Abstract	May 31st 2016
Submission dead line of full paper	Sep. 30th 2016
Notification of acceptance of full paper and/or request of modification	Nov. 30th 2016
Submission dead line of modified full paper	Jan. 31st 2017

Workshop themes

1. Creep under stress variation at early age
2. Temperature effect on autogenous shrinkage at early age
3. Temperature prediction due to hydration heat of cement
4. Mechanical properties of concrete in structural members at early age
5. Methods of mitigation of thermal cracking risk in research and in practice
6. Prediction methods of thermal stress and thermal cracking
7. Temperature effects on structural behavior
8. Guidelines of thermal cracking control
9. Prevention methods of delayed ettringite formation

Entry Fee

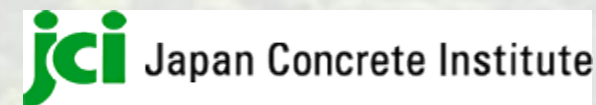
For members of JCI and/or RILEM : 40,000yen
For the others : 50,000yen



ConCrack5

JCI-RILEM International Workshop on
"Control of Cracking of Mass Concrete and
Related Issues Concerning Early Age
Cracking of Concrete Structures"

April 24-th to 26-th, 2017
Tokyo, JAPAN



Contact

E-mail: kanazu@ceresco.jp

Website: <http://www.jci-net.or.jp/~concrack5/index.html>

Organization

Organizing Committee

	Role	Name	Affiliation	Nation
1	Chairperson	Ryoichi SATO	Hiroshima University	Japan
2	Co-chair	François TOUTLEMONDE	French Institute of Science and Technology for Transport, Development and Networks	France
3	Secretary	Tsutomu KANAZU	CERES Inc.	Japan
4	Member	Bruno GODART	French Institute of Science and Technology for Transport, Development and Networks	France
5	Member	Shunsuke HANEHARA	Iwate University	Japan
6	Member	Toshiharu KISHI	The University of Tokyo	Japan
7	Member	Shingo MIYAZAWA	Ashikaga Institute of Technology	Japan
8	Member	Toshiaki MIZOBUCHI	Hosei University	Japan
9	Member	Takafumi NOGUCHI	The University of Tokyo	Japan
10	Member	Jean-Michel TORRENTI	French Institute of Science and Technology for Transport, Development and Networks	France
11	Member	Hiroshi WATANABE	Public Works Research Institute	Japan

Advisory Committee

	Role	Name	Affiliation	Nation
1	Member	Georgy L. BALASZ	Budapest University of Technology and Economics	Hungary
2	Member	John GAIDA	Chair of AC209, CTL Group	USA
3	Member	Ole Myhrbeck JENSEN	Department of Civil Engineering, Technical University of Denmark	Denmark
4	Member	Eduardus Aloysius Bernardus KOENDERS	Technical University Darmstadt	Germany
5	Member	Konstantin KOVLER	Faculty of Civil and Environmental Engineering Technion, Israel Institute of Technology	Israel
6	Member	David A. LANGE	Department of Civil and Environmental Engineering, the University of Illinois	USA
7	Member	Giuseppe MANCINI	Politecnico di Torino	Italy
8	Member	Geert De SCHUTTER	Department of Structural Engineering, Universiteit Gent	Belgium
9	Member	Jeffrey WEST	Chair of ACI224, University of Waterloo	USA

Scientific Committee

	Role	Name	Affiliation	Nation
1	Chairperson	Toshiaki MIZOBUCHI	Hosei University	Japan
2	Co-chair	Bruno GODART	French Institute of Science and Technology for Transport, Development and Networks	France
3	Secretary	Ipppei MARUYAMA	Nagoya University	Japan
4	Secretary	Makoto TANIMURA	Taiheyo Cement Corporation	Japan
5	Secretary	Hiroshi UEDA	Railway Technical Research Institute	Japan
6	Member	Shingo ASAMOTO	Saitama University	Japan
7	Member	Miguel AZENHA	Civil Engineering Department, the University of Minho	Portugal
8	Member	Fatid BENBOUJDIEMA	ENS Cachan	France
9	Member	Eduardo FAIRBAIRN	RILEM, Federal University Rio de Janeiro	Brazil
10	Member	Shunsuke HANEHARA	Iwate University	Japan
11	Member	Akira Hosoda	Yokohama National University	Japan
12	Member	Keiichi IMAMOTO	Tokyo Science University	Japan
13	Member	Tsutomu KANAZU	Ceres Inc.	Japan
14	Member	Toshiharu KISHI	The University of Tokyo	Japan
15	Member	Konstantin KOVLER	Israel Institute of Technology	Israel
16	Member	Jacky MAZARS	Emeritus Professor, Grenoble University	France
17	Member	Shingo MIYAZAWA	Ashikaga Institute of Technology	Japan
18	Member	Maho NISHIOKA	Shimizu Corporation	Japan
19	Member	Takafumi NOGUCHI	The University of Tokyo	Japan
20	Member	Yasuichi OTABE	Sumitomo Osaka Cement Co., Ltd.	Japan
21	Member	Labbe PIERRE	Electricité de France	France
22	Member	Ryoichi SATO	Hiroshima University	Japan
23	Member	Stéphanie STAQUET	Université libre de Bruxelles	Belgium
24	Member	Jean-Michel TORRENTI	French Institute of Science and Technology for Transport, Development and Networks	France
25	Member	François TOUTLEMONDE	French Institute of Science and Technology for Transport, Development and Networks	France
26	Member	Daisuke TSUKISHIMA	East Japan Railway Company	Japan
27	Member	Yang YANG	Zhejiang University of Technology	China
28	Member	Kousuke YOKOZEKI	Kajima Corporation, Japan	Japan
29	Member	Hiroshi WATANABE	Public Works Research Institute	Japan

Details and Objective

Japan Concrete Institute(JCI) published "Guidelines for Control of Cracking of Mass Concrete" in 1986, which systematized the control technologies of thermal cracking of mass concrete in design and construction practice, considering a large influence of thermal cracking on durability of mass concrete structures. It was revised in 2008 as "Guidelines for Control of Cracking of Mass Concrete 2008" which included the advanced technologies on control of thermal cracking in material, design and construction fields in two decades since 1986. Further activity for revising the guidelines has been continued.

The French joint Consortium CEOS.fr, of which IFSTTAR has been an active member, has been conducting a series of international workshops; ConCrack, where latest information exchange and discussion on control of cracking at early age of concrete were performed. The RILEM-JCI international workshop ConCrack3 was held in Paris in March 2012 on the basis of mutual understanding between RILEM and JCI that IFSTTAR intended to enhance estimation technologies of early age behavior of concrete and JCI intended to spread the control technologies of thermal cracking of mass concrete widely with the JCI guidelines, and memorized as a unique workshop by the participants. The proceedings (RILEM PRO 85) were published by RILEM with the support of IFSTTAR as local organizer. JCI's "Guidelines for Control of Cracking of Mass Concrete 2008" was issued and introduced for the first time in Europe.

JCI-RILEM international workshop "ConCrack5", which will be held in April 2017 in Tokyo, is planned as a succeeding workshop to ConCrack3 and is composed of two keynote lectures from Japan and Europe, the introductions of "Guidelines for Control of Cracking of Mass Concrete 2016", the results of research projects performed by IFSTTAR, the activities of CEOS.fr, COST TU 1404 project and mass concrete committee of RILEM, and the

presentations of the papers including the latest research results on early age behaviors of concrete. Prevention and protection procedures of DEF, which has not become obvious in Japan, as well as simple equation for estimating maximum temperature of concrete will be incorporated in "Guidelines for Control of Cracking of Mass Concrete 2016" as well as design values of physical properties of early age concrete and simple equations for thermal cracking index will be enhanced. ConCrack5 will be a helpful international workshop for the researchers and the engineers in mass concrete construction field through concentrated discussions, information exchanges and mutual understandings among the participants.

Venue

Tokyo, Convention Hall of Institute of Industrial Science, The University of Tokyo

