

❖ Why attend the ACF2016 conference

The 7th International Conference of Asian Concrete Federation (ACF 2016) will build upon success of six previous ACF conferences organized since 2004. The conference aims to share and build on practical sustainable concrete development.

Concrete has been used as a building material in construction for many years and becomes the most popular building material in the world. It is estimated that roughly 35 billion tonnes of concrete are manufactured globally each year and the consumption of concrete likely keeps increasing annually. Ordinary concrete contains approximately 12% cement, 80% aggregate by mass and 8% mixing water. This means that approximately 4.2 billion tonnes of cement, 28 billion tonnes of sand and rock, and 2.8 billion tonnes of mixing water are annually used worldwide.

Actually, the figures on world production of cement in the recent five years reflect the increasing trend of concrete production. The world production of cement was 3,300 million tonnes in 2010. Over the couple of years 2011 and 2012, global consumption rose to 3,585 million tonnes in 2011 and 3,736 million tonnes in 2012. Over the years 2013 and 2014, global consumption continued to rise up to 4,000 million tonnes in 2013 and then 4,300 million tonnes in 2014. Asian countries apparently contribute a large volume of cement production, including approximately 70 million tonnes per year in Vietnam.

The demand of more durable and sustainable concrete structures for now and the future is therefore really essential for the development of global economy and society. The ACF2016 international conference is a platform for concrete professional community to share updated concrete technologies, innovations, case studies and research development as well as the importance of the production and use of concrete in a more sustainable way with scientists, researchers, government officials, regulation makers, global leaders, project owners, constructors and others.

The ACF 2016 is organized by Vietnam Concrete Association and Asian Concrete Federation, under the auspices of Vietnam Ministry of Construction. The conference organizing committee warmly welcomes all of you to Hanoi to join our event.

❖ Important dates

Abstract Submission	28 Feb, 2016
Abstract Acceptance Notification	31 Mar, 2016
Full Paper Submission for Review	31 May, 2016
Paper Acceptance Notification	31 July, 2016
Final Submission	31 Aug, 2016
Conference	30 Oct– 02 Nov, 2016

❖ **Contact:** E: secretariat@acf2016.vn
W: acf2016.vn

❖ Conference rates (USD/person)

Early bird rate (*before March 31, 2016*) / Regular rate

– Non ACF members	450/550
– ACF members	300/400
– Student*	100/150

*Exclude banquet. Paying tickets are available upon request
Registration fee covers participation in the conference, conference e-proceedings, welcome reception, all lunches and refreshments, a complimentary banquet.

❖ Conference themes

1. Concrete materials and technologies
2. Admixtures for concrete
3. Concrete structures
4. Cracks in concrete structures
5. Maintenance, monitoring, repair and strengthening
6. Sustainability
7. Other topics in related to concrete materials and structures

❖ Conference format

The official language of the conference is English. The conference will include keynotes, plenary sessions, interactive & participatory workshops & poster presentations. The focus of ACF2016 will be on practical solutions and learning from real-life examples including the community, institutional, financial and technical aspects. Presentations for both the plenary and technical sessions will be drawn from the best submissions to the call for abstracts, and also by invited speakers who are the leaders in the concrete field. Manuscripts submitted for presentation will be selected by Programme Committee for being published at the conference's proceedings.

❖ Field trips

The ACF2016 conference organiser plans site visits for all delegates of the conference to two new highlighted urban areas within & surrounding Hanoi. These site visits will make your conference days in Hanoi even more effective and enjoyable. The arrangement cost including lunch will be inclusive in the delegates' paid registration fee.

❖ Sponsorship & Exhibition

The programme includes a sponsorship scheme & an exhibition plan to maximize interaction and networking opportunities. Various sponsorship packages and commercial booths will therefore be prepared to meet a wide variety of marketing objectives. By exhibiting, exhibitors have chance to show solutions, products & service and also become part of a transformative innovation that will make a tremendous contribution to improving lives of people for now and future.



Official Announcement and Call for Papers
Sustainable Concrete for Now and the Future

ACF 2016

The 7th International Conference of Asian Concrete Federation
www.acf2016.vn

30 OCT – 02 NOV, 2016, HANOI, VIETNAM



Organized by
Vietnam Concrete Association
Asian Concrete Federation

Under the auspices of



Hanoi has over a thousand years of history, is the capital city of Vietnam, a country of hidden charm with many attractions for tourists.

◆ Conference Chairman

- Dr Le Quang Hung, President of Vietnam Concrete Association, Vice Minister, Ministry of Construction

◆ Advisory Committee

- Mr Tong Van Nga, Vietnam Concrete Association, Former Vice Minister, Ministry of Construction, Vietnam
- Prof. Tamon Ueda, Japan Concrete Institute, Hokkaido University, Japan
- Prof. Koji Sakai, Japan Sustainability Institute, Japan
- Prof. Jongsung Sim, Korea Concrete Institute, Hanyang University, Korea
- Prof. Dr. Ekasit Limsuwan, Chulalongkorn University, Thailand Concrete Institution, Thailand
- Dr. Ajoy Mullick, A. K. MULLICK & Company, India
- Prof. Jose Kurian, India Concrete President, India
- Dr. FX Supartono, University of Indonesia, Indonesia
- Prof. Benjamin Lumantarna, Petra Christian University, Indonesia
- Prof. Takato Uomoto, Japan Public Works Research Institute, Japan
- Prof. Keunjoo Byun, Yonsei University, Korea
- Prof. J.C. Chern, National Taiwan University, Taiwan
- Prof. Ta Peng Chang, National Taiwan University, Taiwan

◆ International Organising Committee

- Prof. Manyop Han, Korea Concrete Institute, Ajou University, Korea (Chairman)
- Prof. Jeon Sejin, Korea Concrete Institute, Korea
- Prof. Subhajit Saraswati, Indian Concrete Institute, Jadavpur University, India
- Prof. Hiroshi Yokota, Japan Concrete Institute, Hokkaido University, Japan
- Prof. Somnuk Tangtermsirikul, Thailand Concrete Association, Sirindhorn International Institute of Technology, Thammasat University, Thailand
- Prof. Chai Jatrapitakkul, Thailand Concrete Association, Thailand
- Prof. David Millard, Concrete Institute of Australia, Australia
- Prof. Yin-Wen Chan, Taiwan Concrete Institute, Taiwan National University, Taiwan
- Prof. Takafumi Sugiyama, Hokkaido University, Japan
- Prof. Takafumi Noguchi, The University of Tokyo, Japan
- Mr. David Meager, Dreamer Consulting, Australia
- Prof. Benjamin Lumantarna, Petra Christian University, Indonesia
- Mr. Khashchuluu Adiya, Beton Armatur Co. Ltd., Mongolia
- Dr. Bahador Divsholi, EnGro Corporation Ltd., Singapore
- Dr. Le Trung Thanh, Vietnam Concrete Association, Ministry of Construction, Vietnam
- Prof. Takafumi Sugiyama, Hokkaido University, Japan
- Prof. Tamon Ueda, Hokkaido University, Japan

◆ Local Organising Committee

- Dr. Le Quang Hung, Vietnam Concrete Association, Vice Minister, Ministry of Construction (Chairman)
- Dr. Le Trung Thanh, Vietnam Concrete Association, Ministry of Construction (Executive Vice Chairman)
- Mr. Nguyen The Hung, Vietnam Concrete Association
- Assoc. Prof. Dr. Luong Duc Long, Institute for Building Materials
- Dr. Tran Ba Viet, Institute for Building Science and Technology
- Mrs. Le Thi Hao, Vietnam Concrete Association
- Assoc. Prof. Dr. Vu Quoc Vuong, Water Resources University
- Assoc. Prof. Dr. Nguyen Van Tuan, National University of Civil Engineering

- MEng. Tong Ton Kien, National University of Civil Engineering
- Assoc. Prof. Dr. Nguyen Van Chanh, Vietnam Concrete Association, Ho Chi Minh City University of Technology
- Dr. Phan Huu Duy Quoc, Shimizu Corporation
- Executive members of Vietnam Concrete Association

◆ Scientific Committee

- Prof. Manyop Han, Korea Concrete Institute, Korea (Chairman)
- Prof. Subhajit Saraswati, Indian Concrete Institute, Jadavpur University, India
- Prof. Hiroshi Yokota, Japan Concrete Institute, Hokkaido University, Japan
- Prof. Hirozo Mihashi, Japan Concrete Institute, Japan
- Prof. Somnuk Tangtermsirikul, Thailand Concrete Association, Sirindhorn International Institute of Technology, Thailand
- Dr. Boonchi Stitmannathum, Thailand Concrete Association, Thailand
- Prof. David Millard, Concrete Institute of Australia, Australia
- Prof. Tamon Ueda, Japan Concrete Institute, Hokkaido University, Japan
- Jongsung Sim, Korea Concrete Institute, Hanyang University, Korea
- Prof. Benjamin Lumantarna, Indonesian Association of Civil and Structural Engineers, Petra Christian University, Indonesia
- Prof. Khashchuluu Adiya, Mongolian Concrete Association, Mongolia
- Prof. Bahador Sabet Divsholi, Singapore Concrete Institute, Nanyang Technological University, Singapore
- Prof. Yin-Wen Chan, Taiwan Concrete Institute, Taiwan National University, Taiwan
- Prof. Ta-Peng Chang, Taiwan Concrete Institute, Taiwan
- Prof. Chung-Chia Yang, Taiwan Concrete Institute, Taiwan
- Prof. Takafumi Noguchi, The University of Tokyo, Japan
- Prof. Koji Sakai, Japan Sustainability Institute, Japan
- Prof. Hiroshi Mutsuyoshi, Saitama University, Japan
- Prof. Viktor Mechtcherine, RILEM member, TU Dresden, Germany
- Prof. Dr. Pietro Lura, RILEM member, EMPA
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- Assoc. Prof. José Sena-Cruz, RILEM member, University of Minho, Portugal
- Assoc. Prof. Dr. Luong Duc Long, Institute for Building Materials, Vietnam
- Dr. Le Trung Thanh, Vietnam Concrete Association, Vietnam
- Dr. Phan Huu Duy Quoc, Shimizu Corporation, Japan
- Assoc. Prof. Dr. Nguyen Van Chanh, Vietnam Concrete Association, Ho Chi Minh City University of Technology, Vietnam
- Dr. Tran Ba Viet, Vietnam Concrete Association, Institute for Building Science and Technology, Vietnam
- Dr. Ha Minh, Vietnam Concrete Association, CONINCO, Vietnam
- Assoc. Prof. Dr. Nguyen Van Tuan, Vietnam Concrete Association, National University of Civil Engineering, Vietnam.

◆ Conference Highlights

Welcome & Registration: 30 Oct, 2016

Opening & Plenary Session: 31 Oct, 2016;

Technical Sessions & Posters Presentation: 31 Oct – 1 Nov, 2016;

Technical Sessions, Closing, Field Trips & Tours: 2 Nov, 2016.

◆ Conference venue



JW Marriott Hotel Hanoi

Hanoi - Vietnam's capital city of more than 1,000 year history, where the conference will take place was formerly called "Thang Long" which means the "Ascending Dragon". Hanoi is widely reputable for its special beauty which is the harmonious combination of traditional and modern features. From Hanoi, you can easily access to the main technical sites & renowned tourism attractions. The venue of the conference & recommended accommodations are well selected from the shortlisted centrally located hotels of new urban area of Hanoi.

◆ Pre- & Post-Conference Tours

Most travelers to Vietnam are attracted by the country's wonderful natural beauty: from green rice fields dotted with the conical hats of workers in Vietnam's north stretching to the fascinating bustle of the Mekong Delta in the south; from the historic Hue to charming Hoi An; from the elegant Hanoi to the manic pace of Ho Chi Minh city (Saigon). Vietnam has a wealth of fabulous travel opportunities that will amaze and inspire any visitor. The conference organiser cooperated with an experienced and reliable local travel agent have tailored the best short sight-seeing tours and extended holiday programmes for you - the ACF2016 conference delegates - and your companions, to help you make the most of your time in Hanoi and Vietnam, on the occasion of you participating in the conference.

