



# Asian Concrete Federation E-Newsletter

Vol.1 No.3 / December 2007

## Foreword

**Jenn-Chuan Chern**

Vice President of Asian Concrete Federation (Policy)

The population in this world has exceeded 6 billion, while 54 percent of them live in Asia. In last two decades, the economic growth prevailed in Asia and neighboring countries. Leading by China and India, which have near 40 percent of the total world populations, and many countries develop rapidly with near double digit growth rate.

There are several common features for Asian countries, such as having limited area, high population density, limited natural resources, and high frequency of natural disasters. As Asian countries are competing for the fast economic growth, many of them are also suffering a lot from all the problems, such as environmental pollution, insufficient water resources, traffic congestions, frequent man-made and natural disasters, poor ecosystem, uneven distribution of wealth, and unbalanced development in urban and countryside. The rapid industrialization and urbanization have led to the great demand of the supply of housing and infrastructure. In China, 0.7 billion square meter floor area of commercial and residential buildings and huge numbers of infrastructure were built annually. Massive amounts of cement, concrete, and steel were manufactured to meet the demand of these constructions.

The world consumption of concrete has increased from 3 billion tons in 1970 to near 13 billion tons in 2004. From year 2000 to 2005, one wit-

nessed a global expansion of cement consumption from 1650 tons to 2283 tons, with 81% of growth (i.e. 516 tons) from Asia. The fast development in China used 45% of world cement consumption. World cement consumption is forecast to continue to increase to around 3560 tons by 2020 year. In last decade, the price of oil per barrel increased from 10 to 100 US\$ in 2007. The price of main constituents of concrete, such as cement and aggregates, increases rapidly due to the insufficient supply to meet the need for infrastructural development in many countries. In this era, we have the great opportunity to contribute our service and technology; however, we also meet the great challenge of the emerging problems due to the limited natural resources, the quality of product, increasing energy consumption, and the environmental pollutions. Many concrete and engineering related organizations, such as ACI, PCA, ACECC, WFEO etc, are all devoting their efforts working toward the sustainability recently.

Referring to the "ACECC Taipei Declaration on Sustainable Development" signed by engineering leaders on June 26, 2007, ACF may find that several suggested actions listed are of great values to us:

1) Develop short and long term strategies for achieving sustainable development.



- 2) Continue to improve the quality of life, and at the same time, protect and enhance our environment and ecosystem.
- 3) Conserve natural resources and use renewable materials. Reduce the causes of global warming while mitigating and adapting the effects of climate change.
- 4) Develop capacity building and transfer of knowledge of environmentally-friendly technologies.
- 5) Extend the service life of newly constructed infrastructure and advance renewable technologies for existing infrastructure and facilities.
- 6) Encourage broad involvement in education and in research and development.
- 7) Develop the means for protecting against and mitigating the impacts of disasters and hazards.

ACF is a new international organization that deals with concrete, the most widely used material on earth apart from water. As the Vice President in charge of the policy of the Federation, I have the responsibility to assist the President and the Executive Council to develop the strategies and effective

mechanism to executive the activities according to ACF Constitution and Byelaws. The objective of the Federation, listed in Constitution, is to promote understanding of concrete structures and services to the society through countries in the Asia and neighboring region with the joint efforts from academia, government and industry.

With that objective and sustainability guidelines, ACF may devote to work with following actions:

- 1) Consider to set up a committee to study and coordinate the ways to improve the quality of life through use, innovation and discovery of appropriate concrete technologies.
- 2) Initiate and support international collaborative research and development activities and technology transfer from developed to devel-

oping countries. For examples, Concrete Engineer Certification Test System of JCI; Accreditation Scheme for Waterproofing Special Contractor of SCI; Quality Certification Program of KCI, and Good Ready-Mixed Concrete Certification Program of Taiwan etc. can be transferred to other countries through the coordinating efforts of ACF.

- 3) Merge the efforts of ICCMC and ACF to work closely with ISO to develop the performance codes and specifications meeting the local and regional needs.
- 4) Devote more efforts to reduce, recycle, reuse of concrete materials in order to save resources.
- 5) Explore the technologies to increase the service life of existing structures.
- 6) Provide the training program and promote knowledge dissemination

to upgrade the quality of personnel working in concrete industry.

- 7) Recruit more member societies from non-member countries/economies and interact more with concrete organizations in other regions of the world to share the know-how of concrete.
- 8) Enhance the concrete education; liven up the teaching contents; create competitions to attract more young concrete broods.

ACF is growing to meet the rapid developments, global warming and the weather changes, energy and resource shortages, and more tough and urgent challenge in pursuing development in Asian Region. With the integration of previous actions, we may contribute more and cause less harm to the Earth by working fairly under the principles of environment protection, economic development, and social justice.

## 2<sup>nd</sup> ACF President and Vice Presidents Meeting

### Nobuyuki Matsumoto

Secretary General of Asian Concrete Federation

#### 1. Introduction

On 28 November 2007, ACF has organized the 2<sup>nd</sup> President and Vice Presidents Meeting that was held at JCI Head Office in Tokyo, Japan. The meeting was hosted by Japan Concrete Institute (JCI).

#### 2. Attendees on the Meeting

The delegates who have attended in the meeting were Prof. T. Uomoto (President of ACF, JCI, Japan), Prof. J.C. Chern (Vice President of ACF for Policy, TCI, Taiwan), Dr. F.X. Supartono (Vice President of ACF for Technical, HAKI, Indonesia), Prof. F. Tomozawa (President of JCI, Japan), Dr. P.H.D. Quoc (VCA, Vietnam), Mr. N. Matsumoto (Secretary General of ACF, Railway Technical Research Institute, Japan), Mr. Y. Fukubayashi (JCI, Japan). Also attended in the meeting were the members of ACF Local Committee in JCI: Mr. H. Anzai (Research Institute in Japan Cement Association), Dr. Y. Okawa (BASF Pozzololith Ltd), Mr. M. Funahashi

(Maeda Corporation), and Ms. Mayu Handford (Secretary).

#### 3. Opening and Welcome Remarks

Prof. Uomoto, the President of ACF, opened the 2<sup>nd</sup> ACF President and Vice Presidents Meeting, and addressed his welcome remarks. Prof. Uomoto expressed his appreciation to Dr. Supartono's works for editing the ACF E-Newsletter, and to Prof. Chern's works for the report of New Membership of China as well.

#### 4. Introduction of the Attendees

Mr. Matsumoto, Secretary of ACF, introduced all the attendees in the meeting.

#### 5. Presentation of the Handouts

Mr. Matsumoto presented the handouts prepared for the meeting. All the handouts for this meeting are as follows:

- Material No. 1, the Second ACF

President and Vice Presidents Meeting

- Material No. 2, Report of Current Situation of Preparation to the ACF Events 2008 in Ho Chi Minh City, Vietnam.
- Exhibit No. 1, Draft Minutes of ACF 3rd Executive Council Meeting
- Exhibit No. 2, Asian Concrete Federation E-Newsletter, Vol. 1 No. 1/April 2007
- Exhibit No. 3, Asian Concrete Federation E-Newsletter, Vol. 1 No. 2/August 2007
- Exhibit No. 4, Constitution of Asian Concrete Federation (ACF)
- Exhibit No. 5, Byelaws of Asian Concrete Federation (ACF)
- First Announcement and Call for Papers of the 3<sup>rd</sup> ACF International Conference 2008
- ACECC Strategic Plan and Action Plan (2005-2007)
- Information sheets for 2007 Cross-Strait Concrete Technology Workshop by TCI
- Brochure for the 8<sup>th</sup> World Congress on Railway Research.

## 6. Adoption of Agenda

Mr. Matsumoto presented the draft agenda for the meeting. He explained the main subjects to be discussed. He also explained that the discussion on the TG activities was cancelled. On the other hand, for the subject of ACF budget plan, he will present the report that was prepared by himself due to the absence of Prof. Song.

The Draft of Agenda was approved without dissent.

## 7. Discussion

### 7.1. 3<sup>rd</sup> ACF International Conference

Dr. Quoc introduced himself and he explained the situation that he is going to cooperate for preparation on the 3<sup>rd</sup> ACF International Conference to be held in Vietnam on 11 – 13 November 2008.

Dr. Quoc explained the Report of Current Situation of Preparation to the ACF Events 2008 in Ho Chi Minh City (Material No. 2).

Prof. Uomoto suggested that VCA needs to clarify the total amount of the planned revenue and expenditure of the conference so that ACF can start discussing on the best way to support VCA.

Some delegates suggested that the decided venue is not appropriate due to its size for having proper exhibition booths. Preparing more than one room for the exhibition is strongly suggested. Besides, the room rate for staying in this hotel is too expensive. Therefore, they have suggested that VCA needs to check the details of the discount-booking fee in this hotel, as well as to consult the local travel agencies to help VCA in coordinating the post-conference tour.

Prof. Chern stated that VCA should find the university to support VCA. VCA may ask Prof. Nguyen Van Chanh from Ho Chi Minh University to support VCA. It would be the idea for sorting out the problem. It was also strongly recommended to ask local people in Vietnam to cooperate with VCA, for example the university faculties or students in Ho Chi Minh City.

For promoting this conference effectively inside and outside Vietnam, it is recommended for VCA to prepare a special website for this conference. The website used for the Bali Conference last year would be a good example. Then, the address of this website must be printed in the 2<sup>nd</sup> Announcement. Prof. Chern has also stated that he can put the advert at the TCI magazine in order to help promoting the conference.

VCA was also suggested to consult the local credit card company to advise how VCA can collect registration fee effectively from the participants outside Vietnam.

Prof. Uomoto stated that Prof. Dich needs to prepare the list of eligible candidate who can possibly be sponsor for the conference so that ACF can give an advice for that matter. Also Mr. Matsumoto suggested Dr. Quoc that the mailing list for all EC members could be used for getting any advices for preparation of the conference effectively.

Dr. Supartono suggested the mailing list of previous ACF and other conference participants that he has sent to VCA can be used for distributing and bridging the conference announcements.

Some delegates suggested that VCA might need one more supporter to help coordination on the conference in Vietnam.

Regarding the election to the keynote speakers for this conference, delegates agreed that the keynote speakers should be elected by the recommendation of EC members.

### 7.2. Newsletter and Publication

Dr. Supartono explained that the articles on the newsletters as shown in the handouts (Exhibit No. 2 and 3), were edited by the Newsletter Publishing Group established by HAKI.

In the publishing process, he said that the most difficult thing is how to collect the articles for the newsletter.

He suggested that the Newsletters Vol. 2 for the year of 2008 may contain concrete information not only from the member countries in Asia, but also

if possible from outside Asia so that the ACF Newsletter may become a true information source in concrete world for the members.

Regarding the articles for next issue, Prof. Uomoto and Dr. Supartono both suggested Prof. Chern to submit articles concerning the TCI activities and for the Foreword of the newsletter.

Prof. Uomoto and Prof. Chern suggested that the Newsletter should not be so complicated. As ACF needs to collect more new members, so it is important that the first time readers will not lose their attention to ACF. "Technical Note", which is a little bit complicated as an article, should not be put as the first article on the newsletter.

On the column of "Introduction Note", putting the introduction of each member organization of ACF would be a good idea as well. Prof. Supartono will edit these introductions from each organization. Prof. Uomoto suggested also to put the articles on introducing the Task Group activities, including presenting the name of all persons who are working on the TG2 and TG3, as well as to put the articles on their working result up to now.

As ACF has given a financial support to ICCMC for their Task Group activities, Prof. Uomoto mentioned that he is asking ICCMC to prepare a report for the year of 2008. He has also suggested that all EC members should prepare at least one report as their duty for being the member of ACF Executive Council. Ms. Handford will send the letter to all EC members to inform this suggestion. Prof. Uomoto suggested assigning the EC members to be responsible of providing articles from their countries for ACF Newsletter. It is then necessary to provide a list of nominees to write article for the newsletter, so that Ms. Handford can remind those nominees to write an article or report for the newsletter.

Regarding the distribution on the newsletter, all delegates suggested that each EC member should send the newsletter to various kinds of peoples and organizations, while printing and sending are not always necessary to distribute the hard-copies. Sending through the internet may be more effective.

### 7.3. Other TG Activities

Mr. Matsumoto explained that the discussions on the TG2 and TG3 activities were cancelled due to the absence of Prof. Song (ICCMC).

### 7.4. Budget Plan

Mr. Matsumoto explained the ACF Financial Plan with viewing the report "Current Revenue and Expenditure, Tentative Plan of Future Budget". Current expected amount of the carry-over would be approximately US\$19,000 for the year 2007, while ACF needs approximately \$40,000 to \$60,000 revenue in every 2 years.

Regarding the expenditure for ICCMC, ACF has been supporting ICCMC for their Task Group activities, which was US\$6,000 (US\$3,000 x 2 payments a year). ACF should make this situation clearer with ICCMC. In 2009, there will be new Task Group activities and that would not have to be necessarily ICCMC as well. Concerning the expenditure for printing the ACF Newsletter, preparing CD-ROM in fact doesn't cost so much than printing the paper so that ACF can economize this expenditure.

To obtain more memberships, Prof. Uomoto, Prof. Chern and Dr. Supartono suggested Mr. Matsumoto to invite CI Australia and SCI (Singapore) as soon as possible. On the other hand, Mr. Matsumoto proposed how ACF can obtain more corporate members. He also suggested that ACF promote a discounted membership rate to various companies for becoming a corporate member. It is necessary to make a list of companies, which can possibly be a potential corporate member. Assigning a promotion post to do this might be a good idea as well.

Prof. Chern offered to distribute the newsletter in Taiwan to promote ACF to obtain more members. Mr. Matsumoto suggested that Prof. Kanakubo who is in charge for JCI Internet Community, can be the right person to promote ACF to obtain members through that community.

### 7.5. Future Plan

Mr. Matsumoto explained the subject on the ACF future plan with viewing the report "Tentative Draft on Middle

Range Future Plan for ACF". The delegates confirmed it without any dissenting opinion.

Prof. Chern explained the subject on the qualification business, how ACF has to approach the Chinese society, with viewing "Information sheets for 2007 Cross-Strait Concrete Technology Workshop by Taiwan Concrete Institute (printed in Chinese character)". He explained the process on approaching Asian companies to support them for establishing the concrete institute. Some of the delegates asked Prof. Chern that whether TCI can find the person who may possibly attend the 3rd ACF International Conference in Vietnam, on which Prof. Chern stated that he can prepare the list of strategic key persons, including the President of ACICC and CI Australia, for inviting them to come to our next-coming conference in Vietnam. This suggestion was agreed, and a support on the travel expense for those attendees up to US\$500 was also considered as well.

Prof. Chern explained the subjects on the Action Plan that should be described by ACF with viewing "ACECC Strategic Plan and Action Plan (2005-2007)" as an example. He suggested that the preparation on the draft Action Plan is necessary. Then he assigned Mr. Matsumoto to do the preparation, and Prof. Chern will assist to verify the draft.

Prof. Chern has also proposed to consider the future action plan on the Cross Licensing in concrete work among the professionals and/or concrete companies in Asian countries (member of ACF) under the endorsement of ACF. Dr. Supartono proposed to establish a new Task Group to study this matter, because he think this legal aspect is important regarding the possibility of international cooperation among the member countries. This idea was agreed by most of the delegates.

It was also considered to establish a Planning Committee of ACF in the near future, in order to be able to describe more systematically the future action plan of ACF. The Planning Committee members would be selected from each member country and economy. In this regard, Prof. Chern will make a draft for the Job Descrip-

tion of this Planning Committee.

Some of the delegates discussed the proposition on establishing permanent ACF office and its secretariat in the future, but no decision taken in this moment.

### 7.6. Future Meeting

Mr. Matsumoto explained the subject on future ACF meeting schedule with viewing the report "Draft for Future Meeting Schedule Plan". Prof. Supartono suggested that ACF should have more opportunities for meeting up to consider the solid planning and real activities of this "new" organization.

The 3<sup>rd</sup> President and Vice Presidents Meeting was decided, it's going to be held on the 30 March 2008 (29 to 31 March) in Ho Chi Minh City. Then attendees will go to the venue proposed for the next ACF Conference and General Assembly with Dr. Hung, to check whether the venue is precisely good for the assembly.

Prof. Uomoto stated that the next EC members should consider the details of the 5<sup>th</sup> EC Meeting and 4<sup>th</sup> President and Vice Presidents Meeting.

According to the proposal of Prof. Chern, and considering the usual dates of the ACF Conferences in the past, the dates of the future 6<sup>th</sup> ACF EC Meeting, the 3<sup>rd</sup> General Assembly and the 4<sup>th</sup> ACF International Conference in Taipei were modified to November 2010.

### 7.7. Other Business

Mr. Matsumoto explained the subject of the other business related to ACF with viewing the report "Guideline on the Election Procedures for ACF EC Members, President and Vice Presidents" and "List of Potential President Candidates for Next Term". He proposed delegates to discuss the matters regarding the Election of new EC members, President and Vice Presidents. Prof. Uomoto suggested the importance to establish a good election procedure for the next EC members. He said any person who was appointed by the representative member can elect EC members. Mr. Matsumoto also stated that new President doesn't have to be necessarily a new EC member. Dr. Supartono

and Mr. Matsumoto explained the subject "5. Election of Officers" on the Byelaws of ACF (Exhibit No. 4).

Regarding the Byelaws, some delegates mentioned that one sentence in the Byelaws should be modified as follow: "(1) The EC shall elect among its members the President, two Vice Presidents and Treasurer. The President nominee shall have served as EC members for at least one term in the past." This sentence should be corrected as: "(1) The EC shall elect among its members and the past members, the President, two Vice Presidents and Treasurer. The President nominee shall have served as EC

members for at least one term in the past."

The subject "8.2 Executive Council" of the Constitution of ACF was confirmed by all delegates.

Mr. Matsumoto proposed delegates also to discuss the subject of merger with ICCMC. Prof. Chern suggested to discuss this matter at the opportunities like EC meeting gradually and setting up the preparation for merger is important. Prof. Uomoto explained the organization structure of ICCMC. If ICCMC can obtain more earnings from some kind of organization, there would not be problem on the merger

of ACF and ICCMC.

Some of delegates suggested that ACF should have various kinds of business with its qualification, like having seminars, training courses, etc. Dr. Supartono also suggested that if ACF can give its endorsement to the professional activities of various organizations, it would be a good opportunity for promoting ACF.

#### 8. Adjournment

The President adjourned the meeting at 17:15 in the 28<sup>th</sup> of November 2007.



2<sup>nd</sup> ACF President and Vice Presidents Meeting in Tokyo

## NEWS FROM ACF MEMBER COUNTRIES

### Taiwan Concrete Institute Sponsored Two Technical Meetings in November-December 2007

#### 1. The 2007 Concrete Technology Conference and Exhibition

The 2007 Concrete Technology Conference and Exhibition, sponsored by the Taiwan Concrete Institute (TCI), were held on 2 – 3 November 2007 in National Taiwan University of Science and Technology in Taipei, Taiwan. The theme of this conference was *Innova-*

*tive Materials, Design, and Construction Technologies for the 21<sup>st</sup> Century.*

This two-day technical conference was attended by more than 500 people from the academia, industry, and government. American Concrete Institute

(ACI) President, David Darwin, ACI Executive Vice President, William Tolley, Korean Concrete Institute (KCI) former Vice Presidents, Prof. J. K. Kim and Prof. B. H. Oh were among the honorable guests of the conference.



The technical program included three keynote speeches, 150 technical papers, and three forums. The keynote speeches were:

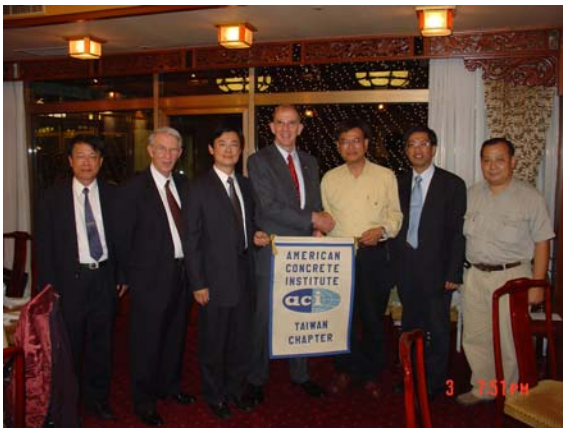
- (1) "Consequences of Ignoring or Misjudging the Size Effect in Concrete Design and Practice" by Prof. Zdenek Bazant of Northwestern University, USA;
- (2) "Mineral Admixtures, Curing, and Concrete Shrinkage – An Update" by Prof. David Darwin of ACI;
- (3) "Development of Innovative Construction Materials and Technologies" by Dr. Samuel Yin of National Taiwan University.

The technical program contained wide variety of subjects including pozzolanic materials, chemical admixtures, concrete durability, lightweight concrete, non-destructive testing, concrete structural behavior, recycled materials, repair materials and technology, innovative materials and construction techniques, specifications, and construction management.

In conjunction with the Concrete Technology Conference and Exhibition, the Asian Special Workshop on Concrete Technology in honor of the 70<sup>th</sup> Birthday of Prof. Zdenek Bazant

was held on 2 November 2007.

In the Workshop, eight technical papers from Japan, Korea, USA, and Taiwan were presented. The subjects included time-dependent behavior of concrete, corrosion of reinforced concrete structures, reactive powder concrete (RPC)/metal composites, new device for the measurement of stress generated due to heat of hydration, seismic assessment of unreinforced masonry structures, transport properties of concrete, and consumption of cement in Europe and Japan.



ACI President David Darwin meets TCI members



The Asian Special Concrete Workshop to honor Prof. Zdenek P. Bazant's 70<sup>th</sup> birthday

## 2. The First Cross-Strait Concrete Technology Workshop

The first Cross-Strait Concrete Technology Workshop was held on 30 November – 1 December 2007 in National Taiwan Ocean University in Keelung, Taiwan. This workshop was co-sponsored by Taiwan Concrete Institute (TCI) and American Concrete Institute China Chapter (ACICC). Approximately 150 people participated in this workshop, including 19 delegates from the Peoples' Republic of China and 6 delegates from Hong Kong.

The technical program of this workshop included two keynote speeches, six invited papers, 33 technical papers, and one Panel Discussion on the subject of concrete durability, repair and

rehabilitation. The two keynote speeches were "Study of Concrete Beams Reinforced with Hybrid FRP Composite Rebars" by Prof. Moe, M. S. Cheung of Hong Kong University of Science and Technology, and "Development of Innovative Construction Materials and Technologies" by Dr. Willie Lai, President of the Ruentex Development Co. Ltd. of Taiwan. Subjects of the technical papers included chemical admixtures and mixture designs, curing, grouting materials, self-consolidating concrete, recycled concrete, reactive powder concrete, and concrete durability.

On behalf of ACF, Prof. Chern has invited ACICC and Hong Kong dele-

gates to participate the 3<sup>rd</sup> ACF International Conference to be held in Vietnam on November 2008. Prof. Chern, the Vice President of ACF, also invited ACICC and HKCI (to be established in Hong Kong in the coming March) as the observers in the next ACF Executive Committee meeting. The successful completion of the First Cross-Strait Concrete Technology Workshop laid the foundation for future technical cooperation and partnership among China, Hong Kong, and Taiwan. The Second Cross-Strait Concrete Technology Workshop is scheduled to be held in 2009 in Wuhan, China.



Prof. Chern and China delegates to the Concrete Workshop

## HAKI Annual Conference, August 2007

HAKI had successfully conducted its Annual Conference and Technical Exhibition in August 2007. The theme of the Conference is "Earthquake Resistant Design in Indonesia".

In this two-day conference, 5 keynote speeches and 29 technical papers were presented, attracting over 500 participants from all over Indonesia.

The conference has shown how young Indonesian engineers are very enthusiastic in continuing education, especially on such popular theme.



Opening Speech by President of HAKI, Mr. Davy Sukanta



HAKI Exhibition 2007



HAKI Annual Conference 2007

# TECHNICAL ARTICLES

## Notable Structure in Indonesia Up-Down Construction for the Tallest Building in Indonesia

**Davy Sukamta**

President of HAKI (Indonesian Society of Civil and Structural Engineers)

The Keraton Grand Hyatt Residence is a 48-storey building with 5-level basement, as part of the new development of Plaza Indonesia II, located right next to the existing Plaza Indonesia Shopping Center and Grand Hyatt Hotel Jakarta. The building is located in Central Jakarta, in the most prestigious business district of Jalan Thamrin. When completed in 2009, it will be the tallest building in Indonesia at 225 meters high.

The building has been designed to resist 2500-year earthquake, based on the special studies on Seismic Hazard Analysis for Jakarta and Site Specific Response Spectra for the said project. It will be the first building – and currently the only one – designed for such earthquake level, in Indonesia. The Indonesian Seismic Design Code requires 500-year earthquake to be con-

sidered in the building structural design.

The lateral system for the Keraton is a dual RC core-wall system with RC ductile open frame. As a first class high-end apartment building, it has a floor to floor height of 4.5 meters. It uses concrete of grade 25 MPa up to 55 MPa. The building sits on high capacity bored-pile, diameter  $\varnothing$  1.8 meter with allowable load of 1500 tons.

Construction for the basement and super-structure is designed as up-down system. After the completion of the diaphragm wall and foundation, work started at B-1 level, and then proceeded simultaneously on the construction of basement and super-structure. The king-posts have been designed to take the load of the basement plus 10 floors of the build-

ing, on which the construction sequence had been considered during the design phase. This requires a step-by-step sequential analysis. Infill steel boxes are used as kingpost, which later will be encased in concrete to form composite columns. At the present, the mat foundation has just been cast, and the super-structure has reached level 10 as planned. The building is scheduled to be completed in mid 2009.

The contractor for the Plaza Indonesia II is SsangYong Engineering Construction Co. Ltd. Korea, who has appointed the engineering design firm DavySukamta & Partners – Structural Engineers – Jakarta, to work for them. The structural part was tendered on design construct basis.



Artist Impression 3D of Grand Hyatt Residence



Super-structure in progress



# Next Coming Concrete Events

## 3<sup>rd</sup> ACF International Conference [Ho Chi Minh City, 11 – 13 Nov 2008]

*Asian Concrete Federation*      *Vietnam Concrete Association*



### THE 3<sup>RD</sup> ACF INTERNATIONAL CONFERENCE ACF/VCA- 2008

(First announcement and call for papers)

**11-13 November, 2008**  
Rex Hotel, HoChiMinh City- Vietnam



*Organized by*  
**Asian Concrete Federation ACF**  
Vietnam Concrete Association VCA

*Under the auspices of*  
**Vietnam Ministry of Construction MOC**  
**Vietnam Federation of Civil Engineering**  
Associations ViFCEA

### INTRODUCTION

Asian Concrete Federation (ACF) is a gathering organization for promotion of understanding of concrete technologies and structures among asian countries and neighboring region. The ACF regularly organizes the ACF International Conference for exchange of useful information on new research results and practice in the field of concrete technologies and structures.

After the two conferences organized in Bangkok, Thailand in 2004 and Bali, Indonesia in 2006, the 3<sup>rd</sup> of ACF International Conference will be organized in Vietnam in 2008.

The 3<sup>rd</sup> ACF International Conference will be held by the VCA in HoChiMinh city, the biggest city situated in the South of Vietnam, on 11-13 November, 2008 with the title as “*Sustainable Concrete Technology and Structures in Local Climate and Environment conditions*”. Since every concrete work is working in concrete climate and natural environment, the experts in field of concrete and concrete technology will exchange their new research results and practice in the mention above theme.

### TOPICS

- New materials for concrete and products
- Special concretes
- Advanced concrete technologies that are suitable to local climate and environmental conditions
- Sustainable concrete technologies and materials
- Concrete structures appropriated for local climate and environmental conditions
- Concrete materials and structures for marine environment
- Earthquake resistant concrete structures

- Design, construction, maintenance and repair of concrete structures
- Construction management in large concrete structures
- Testing models for concrete and concrete structures
- Concrete codes and standards

**LANGUAGE**

The official language of the conference is English.

**PROCEEDINGS**

Accepted papers will be printed in Conference proceedings. All papers will be editorially reviewed.

**CONFERENCE VENUE**

The conference will be held at a 4 Stars Rex Hotel which is situated in centre of the city.

Website:

<http://www.rexhotelvietnam.com>



**IMPORTANT DATES**

Abstracts (300 words) should be submitted on 30 April 2008. Notification of acceptance will be given on 31 May 2008. Full paper manuscript should be submitted on 15 August 2008.

*Note: All full papers must be prepared in "ready for print" manuscript in Microsoft word format.*

**REGISTRATION FEES**

	Before 1 Sept 2008	After 1 Sept 2008
Registration Fee	US\$ 350	US\$ 400
For ACF members	300	350
For VCA members	200	250
For students	150/100	200/150

**HOTEL RATE**

The hotel rate will be among US\$ 60 – US\$ 150/night depending on hotel chosen by attendees.

**DATE OF ACTIVITIES**

11 – 12 November 2008:  
3<sup>rd</sup> ACF Conference  
13 November 2008:  
Mekong Delta tour  
8 – 10 November 2008:  
ACF and ICCMC meetings

**CONFERENCE TOUR**

A no fee conference tour to Mekong River Delta will be organized for the 3<sup>rd</sup> day of the Conference for all attendees and their companions.



**COMPANION PROGRAM**

A companion program will be available for city's tour during conference time.

**TECHNICAL EXHIBITION**

Recent advanced concrete technologies and materials will be presented as technical exhibition by material, design and construction firms, which will be held at the same place as the Conference.

**CONFERENCE WEBSITE**

Announcement, instruction to writing papers, registration form and other information on the Conference will be uploaded on the websites:  
<http://www.acf-org.com>  
<http://www.iccmc.org>  
<http://www.vca.vn>

**FURTHER INFORMATION**

For further information, please contact:  
\* Prof. Nguyen Tien Dich:  
[dichibst@hn.vnn.vn](mailto:dichibst@hn.vnn.vn)  
\* Hoi be tong Viet Nam:  
[betongvn@fpt.vn](mailto:betongvn@fpt.vn)

Address of Conference Secretariat:  
**Hoi cong nghiep be tong Viet Nam**  
Nha 10, Ngo 95, pho Chua Boc, Hanoi, Vietnam  
Tel : 84 4 5641154  
Fax: 84 4 5641154  
Email: [dichibst@hn.vnn.vn](mailto:dichibst@hn.vnn.vn)  
[betongvn@fpt.vn](mailto:betongvn@fpt.vn)

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- Biswadip Sen (India)
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- Fuminori Tomosawa (Japan)
- Taketo Uomoto (Japan)
- Tamon Ueda (Japan)
- Young-Soo Chung (Korea)
- Jongsung Sim (Korea)
- Mohan Prasad Aryal (Nepal)
- Tan Kiang Hwee (Singapore)
- Pichai Nimityongskul (Thailand)
- Tong Van Nga (Vietnam)
- Nguyen Tien Dich (Vietnam)

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- Xiaokun Huang (China)
- Yin-Wen Chan (Chinese Taipei)
- Mahesh Tandon (India)
- FX. Supartono (Indonesia)
- Kyu-ichi Maruyama (Japan)
- Hiroshi Noguchi (Japan)
- Ha Won Song (Korea)
- Jeffrey Chiang (Malaysia)
- Lilia Austriaco (Philippines)
- Ekasit Limsuwan (Thailand)
- Somnuk Tangtersirikul (Thailand)
- Nguyen Tien Dich (Vietnam)
- Le Quang Hung (Vietnam)
- Nguyen Trung Hoa (Vietnam)

**Local Organizing Committee**

- Tong Van Nga (Chair)
- Nguyen Tien Dich (Vice Chair)
- Le Quang Hung (Secretary)
- Dang Hoang Huy
- Nguyen Hung
- Nguyen Van Chanh
- Nguyen Trung Hoa
- Tran Ba Viet
- Le Thi Hao
- Hoang Thi Huong



## Innovative World of Concrete 2008 [New Delhi, 11 – 14 Dec 2008]

Theme: Concrete for New Age Structures

Against this background, ICI Innovative World of Concrete 2008 is designed to meet the diverse needs of Indian construction industry, which would open new business vistas in line with the Government policies and develop and improve the country's infrastructure.

### Display Profile

- Batching Equipments
- Testing & Instrumentation
- Building Fixtures & Fittings
- Water supply, Sanitary, Electricals & Air-conditioning
- Construction Machinery, Material, Technology & Chemicals
- Software Services.

### Who Should Attend?

- Professional Engineers, Architects & Interior Designers
- Technocrats from Universities & R&D Institutes
- Consultants, Planners & Real Estate Developers
- Delegates from Construction Companies in India & Abroad
- Construction Machinery & Equipment Manufacturers
- Suppliers of Aggregates, Reinforcement & Admixtures
- Building Contractors & Construction Materials Suppliers
- Students from Engineering & Technical Institutes
- Investors, Promoters, Key Senior Government Officials.

TAFCON, India's leading Trade Fair Organisers, are a highly professional group having over five decades of experience & expertise, contributing substantially to the Trade Fair.

## EXHIBITION

### HIGHLIGHTS

- Participation of construction equipment, material and allied services majors and industry leaders
- Comprehensive collection of construction capabilities from across the globe
- Latest technologies
- Supported by major Construction Trade Associations of India
- Expected participation of 200 exhibitors from over 20 countries and 12000 focused business visitors
- One to one business meetings
- Corporate presentations
- New construction equipment launches.

## CONFERENCE

### THEME: Concrete for New Age Structures

Construction industry has witnessed an exponential growth in past few years. Some of the very important and challenging bridges, buildings, flyovers, chimneys and industrial structures are in different phases of construction.

Use of micro-silica and blended cements have become increasingly popular. Appropriateness of each material needs to be understood by the engineering fraternity. The best way to disseminate such knowledge is to have a common platform for presentations, discussions and interaction. This conference is expected to fulfill these needs of today's engineers.

Sub-Themes of the conference have been carefully chosen keeping in view the emerging trends and technologies in the field of civil engineering.

**Sub-Themes of Conference**

- Aesthetics
- Mega Projects in Concrete
- Special Concretes & Quality Assurance

- Design and Codes of Practice
- Construction Methods & Equipment
- Innovative Materials & Technology
- Repairs and Rehabilitation
- Earthquake Resistant Concrete Structures.

**Indian Concrete Institute**

The Indian Concrete Institute is a registered professional body of more than 8,500 individuals and organisations from India devoted to betterment of structural concrete and interested in the advancement of concrete and construction technologies, concrete products. R&D and Technical Education Headquartered in Chennai, ICI has 24 centers through out the length and breadth of India.

**New Delhi**

New Delhi a metropolis with 15 million inhabitants, is one of India's leading economic centers for national and international business activity.

The city of Delhi, which is beautifully landscaped is probably one of the prettiest and certainly one of the greenest capitals of the world. It has the famous Red Fort, Qutab Minar and other Mughal Monuments for sightseeing.

From New Delhi, the delegates can undertake one of the most fascinating tourist circuits of India: Delhi – Agra – Jaipur – Delhi.



*The Editors of ACF Newsletter invite you to submit articles concerning the outstanding concrete buildings, bridges, or other infrastructures in your country.*

*Please send your short article (1 – 2 pages) with photos by email to:*

[haki@cbn.net.id](mailto:haki@cbn.net.id), with cc to:  
[fxsupartono@centrin.net.id](mailto:fxsupartono@centrin.net.id)



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|-----------------------------------|---|--|
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| <b>Vice President (Policy)</b>    | : | Jenn-Chuan Chern (Taiwan, TCI)                       |
| <b>Vice President (Technical)</b> | : | FX. Supartono (Indonesia, HAKI)                      |
| <b>Treasurer</b>                  | : | Ha Won Song (Korea, ICCMC)                           |
| <b>Secretary General</b>          | : | Nobuyuki Matsumoto (Japan, JCI)                      |
| <b>Website</b>                    | : | <a href="http://www.acf-org.com">www.acf-org.com</a> |