



# Asian Concrete Federation E-Newsletter

Vol.2 No.3 / December 2008

## Greetings from Korea

**Jongsung Sim**  
President Elect of ACF for 2009 – 2010

This is greetings from President Elect, Jongsung Sim at Department of Civil Engineering, Hanyang University, Korea. I am so pleased to pass this message with a certain pressure for the further development of ACF. As all of you acknowledge, ACF was founded after long discussions through Asian Concrete Forum where delegates from leading concrete institutions from 12 Asian countries/regions first gathered in 2001 in Sapporo, Japan. Following the first forum, the second forum was held at Seoul, Korea in 2002 and the last forum at Pune, India in 2003.

In the year of 2004, 13 member institutions gathered at the first International Conference of ACF at Chiang Mai, Thailand, and the Executive Council (EC) was first organized with 10 representative members from different countries. Prof. Taketo Uomoto (Japan Concrete Institute) was elected as the president with two vice presidents, Prof. Keun-Joo Byun (Korea Concrete Institute) and Dr. Pichai Nimityongskul (Thailand Concrete Association).

In the year of 2006, the second International Conference of ACF was held in Bali, Indonesia and new EC members were elected in the General Assembly. Prof. Taketo Uomoto was elected again to extend ACF's second president's tenure of office. Prof. Jenn-Chuan Chern (Taiwan Concrete

Institute) and Dr. Franciscus Supar-tono (Indonesian Society of Civil and Structural Engineers) were elected as vice presidents.

In the year of 2008, the third international conference of ACF was held in Ho Chi Minh City, Vietnam, and the third EC members were organized in General Assembly. I was honorably elected as the third president with two vice presidents, Dr. Tamon Ueda (International Committee for Concrete Model Code) and Dr. Le Quang Hung (Vietnam Concrete Association) for technical and policy department, respectively. Prof. Ekasit Limsuwan (Thai Concrete Association) accepted to serve ACF as a treasurer.

Here I am reminding the objectives of the Federation: Those are to promote understanding and development of concrete structures and concrete in Asian countries and the neighboring regions through:

- International collaboration for development of research and technology relating to various aspects of concrete and concrete structures
- Dissemination of useful information on concrete technology and concrete structures by publications, conferences, workshops and seminars
- Interaction with the members and maintaining their awareness of the activities of the Federation.



In order to accomplish the above objectives, a number of important tasks have been executed by the EC members:

- Homepage development for valuable information dissemination
- E-Newsletters publication by Task-Group
- Research works and surveys by two Task Groups
- Organization of International Conferences of ACF in even numbered years.

As mentioned above, past president and EC members had worked very actively to achieve the ACF objectives and promote concrete technologies in Asian countries. Fortunately I have participated in the all ACF activities so far, three forums and three conferences and have seen the importance of continuity particularly in international activities. I believe that new EC members and I will do our best to further extend the achievements done to date. I, hereby as a new President, suggest some goals in my term of office:

- Extension of participating members including EC members, Representative Members (RM), Corporate

Members (CM) and Individual Members (IM). ACF has currently 8 EC members, 11 RMs, 4 CMs and less than 70 IMs. The number of member in each membership should be increased.

- Increase of constitutional budge for healthier Federation by receiving the corresponding membership fee of new members.
- Increase of publication frequencyof e-Newsletters. Currently, three is-

ssues are published on the homepage in each year since 2007 but ACF secretariat would publish four issues in a year

- Enhancement of Technical Group's activity collaborating with ICCMC.
- Support for international conferences in Asia region. Some candidate conferences may be EASEC, CECAR, ConMat 09, FRPRCS-9, APFIS 09 etc.

The years from 2005 to 2008 could be characterized as the "Cradle" period of ACF. I would define the years from 2009 to 2010 as the period of "Growth." New EC members and I will endeavor to achieve all the goals and to keep ACF moving forward. Of course cooperation from all of the members is very essential for the future of ACF. I wish all of you have a wonderful New Year. Thank you very much.

## *We congratulate:*

- *Prof. Jongsung Sim (President)*
- *Dr. Le Quang Hung (Vice President for Policy)*
- *Prof. Tamon Ueda (Vice President for Technical)*
- *Prof. Ekasit Limsuwan (Treasurer)*

*for being elected as the new President, Vice Presidents, and Treasurer of ACF for the term 2009 – 2010.*

## What's ACF objective ?



- Initiation and support of international collaborative activities for development of research and technology relating to various aspects of concrete and concrete structures.
- Dissemination of useful information on concrete and concrete structures by way of publications, conferences, symposia, workshops and/or seminars.
- Promotion of updating and revising concrete codes/standards on structural design, materials, construction and maintenance through development of new knowledge to meet the latest needs.
- Interaction with the members and keeping them aware of the activities of the Federation.

# The ACF 4<sup>th</sup> EC Meeting and 2<sup>nd</sup> General Assembly

Ho Chi Minh City, Vietnam  
10 November 2008

## 1. Introduction

On 10<sup>th</sup> November 2008, the 4<sup>th</sup> ACF Executive Council Meeting and the 2<sup>nd</sup> General Assembly were held in Rex Hotel, Ho Chi Minh City, Vietnam.

The 4<sup>th</sup> EC Meeting and the 2<sup>nd</sup> General Assembly of ACF were hosted by the Vietnam Concrete Association (VCA), in the event of the 3<sup>rd</sup> ACF International Conference held in the same venue.

## 2. Attendees on EC Meeting

The Executive Council members who attended to the meeting were Taketo Uomoto (President, Japan), Jenn-Chuan Chern (Vice President, Taiwan), Franciscus Supartono (Vice President, Indonesia), Benjamin Lumantama (Indonesia), Ekasit Limsuwan (Thailand), Jongsung Sim (Korea), Le Quang Hung (Vietnam), Takafumi Noguchi (Japan), Tamon Ueda (ICCMC), Willy Kay (Singapore), Nobuyuki Matsumoto (Secretary General).

## 3. Agenda of EC Meeting

1. Opening Remarks from Prof. Uomoto, the President of ACF.
2. Welcome Address by Mr. Tong Van Nga, the President of VCA
3. Roll call of the Delegates and Declaration of Quorum by the Secretary General
4. Adoption of the Agenda
5. Confirmation of Minutes of 3<sup>rd</sup> EC Meeting held in Taipei on 2007
6. Report of ACF Activities conducted by Prof. JC. Chern
  - 6a. Homepage revision
  - 6b. Byelaws amendment
  - 6c. Membership status
  - 6d. New EC members' election results
  - 6e. Preparation on the 3<sup>rd</sup> ACF International Conference
7. Task Group Activities conducted by Dr. FX. Supartono
  - 7a. TG1: Publication
  - 7b. TG2: Maintenance for Leakage due to Cracking
  - 7c. TG3: Assessment and Intervention for Seismic Damage
  - 7d. TG activities for coming term

8. Discussions on Organization Management
  - 8a. Budget Plan and Expenditure Items
  - 8b. Amendment on Constitution
  - 8c. Action plan
9. Announcement of New President, Vice Presidents and Treasurer by Prof. Uomoto
10. Planning on Future Meetings
  - 10a. 5<sup>th</sup> EC Meeting in 2009 (Korea)
  - 10b. 4<sup>th</sup> ACF International Conference in 2010 (Taiwan)
  - 10c. Nomination of 7<sup>th</sup> EC Meeting in 2011
  - 10d. Nomination of 5<sup>th</sup> ACF International Conference in 2012
11. Other Business

## 4. Adjournment

Prof. Uomoto closed the meeting at 15:00 local time. Attendees were invited to the 2<sup>nd</sup> General Assembly held on 16:00 at the same venue.



4<sup>th</sup> ACF EC Meeting

# News from the Secretariat

## 1. New EC Member Election Results

New EC Members Meeting and the election of new President / Vice Presidents of ACF for the new term (2009 – 2010) were taken place in Ho Chi Minh City on 10 November 2008 during the 4<sup>th</sup> EC Meeting, just one day before the 3<sup>rd</sup> ACF International Conference.

Here-below are the Election Procedures for ACF EC Members, President and Vice Presidents

### Election of new EC members:

- a. The ACF secretary shall request all the contact persons of the Representative Members to nominate one EC member candidate from each country/economy at least three months before the term of office within the deadline specified by the ACF secretary.
- b. If after one reminder sent to the contact person of the Representative Member but no nomination is received by the deadline it is deemed that the concerned Representative Member waives his right to nominate the EC member candidate.
- c. Only when the number of nominated candidates exceeds 9, the EC members for the next term (hereafter, new EC members) will be selected by election. Otherwise all the nominated candidates become new EC members automatically.
- d. When election is necessary, each Representative Member shall select not more than 9 members from the candidate list provided by the ACF secretary. Selection of more than 9 members will result in invalid vote. The voting shall be cast using e-mail. Representative Members shall send their votes to the ACF secretary with a copy of their e-mail to the incumbent President.
- e. The ACF secretary shall collect and count the votes.
- f. The incumbent President shall notify the result of the election to all the Representative Members.
- d. The new President shall be one of the EC experienced members who has not served as the President for two terms.
- e. The newly elected President shall take over the chairmanship of the Meeting and call for the election, by simple majority, of two new Vice Presidents.
- f. The new President shall assign a Treasurer for the next term among the remaining new EC members.
- g. The task and duty of each EC member shall be determined in the Meeting.
- h. The names of new President, Vice Presidents, Treasurer and EC members shall be announced at the General Assembly.

### Election of new President and Vice Presidents:

- a. The incumbent President shall call a Meeting of the newly elected EC members and chair the meeting.
- b. The incumbent President shall be the Chairman of the Meeting.
- c. The new President shall be elected by simple majority vote of the new EC members present at the Meeting.

During the nomination period, 8 EC Members were nominated by the Representative Members. Therefore, all the nominated candidates become new EC members automatically.

(Remarks: The EC meeting and the Meeting of the newly elected EC members were held separately. But, they were held on the same day and at the same venue.)

### EC member nominees

Country/Economy	Name
Australia	-
Chinese Taipei	Jenn-Chuan Chern
ICCMC	Tamon Ueda
Indonesia	Benjamin Lumantarna
India	-
Japan	Takafumi Noguchi
Korea	Jongsung Sim
Malaysia	-
Nepal	-
Singapore	Wille Kay
Thailand	Ekasit Limsuwan
Vietnam	Le Quang Hung

The number of EC member nominees was 8.

### Election results

Country/Economy	Name
Chinese Taipei	Jenn-Chuan Chern
ICCMC	Tamon Ueda
Indonesia	Benjamin Lumantarna *
Japan	Takafumi Noguchi *
Korea	Jongsung Sim
Singapore	Wille Kay *
Thailand	Ekasit Limsuwan *
Vietnam	Le Quang Hung
Immediate past president	Taketo Uomoto

The members were assigned without voting.

\*: Persons who become EC members first time.

## 2. Reports of Task Groups 2007 – 2008

### TG1: Publication Task Group

The report was presented by Dr. FX. Supartono from the Indonesian Society of Civil and Structural Engineers.

The Publication Working Group (called later as TG1) was founded in the 2<sup>nd</sup> ACF EC Meeting at Bali (November 2006). It was formed to initiate the editing and publication of ACF e-Newsletter 3 times per year. As requested by the President of ACF, the TG1 has a working period of two years (January 2007 – December 2008).

#### 1. Number of Published Newsletters

During these two years, TG1 has produced 5 Newsletters up to now, i.e.

- Newsletter Vol. 1 No. 1 (April 2007)
- Newsletter Vol. 1 No. 2 (August 2007)
- Newsletter Vol. 1 No. 3 (December 2007)
- Newsletter Vol. 2 No. 1 (April – May 2008)
- Newsletter Vol. 2 No. 2 (August – September 2008)

Meanwhile, the last one (Vol. 2 No. 3) will be issued in December 2008.

#### 2. Contents of Newsletters

For providing better information to the members, the Newsletters contain various rubrics and articles, e.g.

- Foreword from the ACF President or Vice-President
- News from the Secretariat
- Reports of the Meetings (mainly EC Meetings and P & VPs Meetings)
- News from the Member Countries/Societies
- Technical Articles (for example: Ferrocement Rainwater Harvesting System; Notable structure in Indonesia; etc)

- Special Topic (for example: Taipei Declaration on Sustainable Development)
- Next Coming Concrete Events

#### 3. Member countries having contributed news and articles

- India
- Indonesia
- Japan
- Philippines
- Singapore
- Taiwan
- Vietnam

#### 4. Major problem in issuing the ACF Newsletter

Up to our 5<sup>th</sup> Newsletter, the Editor has generally met the difficulty in obtaining and collecting articles or news from the member countries, as well as from the individual members.

#### 5. Extension of TG1 Members

As discussed previously in the Ho Chi Minh Meeting on April 2008, and following the official request of ACF President, a group of international reporters have been nominated by the EC Members to assist the activity of TG1. Up to 25<sup>th</sup> of October 2008, six members have been nominated:

Prof. Loo Yew-Chaye (ICCMC)  
 Prof. Shimomura (Japan)  
 Prof. J.H. Kim (Korea)  
 Dr. Tony Liu (Taiwan)  
 Dr. Nguyen Ngoc Ba (Vietnam)  
 Dr. FX. Supartono (Indonesia, as Coordinator)

These members will contribute to collect and sending articles/news from his country to the Editor.

What kind of news/articles to be collected/reported?

- Brief presentation on their national institution and its activities

- Cooperation among the institutions
- National or International Symposia or Conferences:
  - Call for papers (coming event)
  - Brief report of the Symposium or Conference (past event)
- Technical articles: Brief news on the new concrete research in their country (including ICCMC)
- Technical articles: Brief news on the notable concrete practice or outstanding concrete structures in their country
- Idea or suggestion about ACF organization issues and/or activities
- Other interesting topics/articles

#### 6. Proposed Future Plan

##### 6.1 Take over TG1 duty by ACF Secretariat

The “International Working Group” as above mentioned may be able to replace the task of TG1. They can work under the coordination of ACF Secretariat. Then, in the future, the Secretariat can be in charge of editing the e-Newsletter while the articles will be supplied by the said “Publication Working Group”.

##### 6.2 Joint publishing the technical reports of ACF-funded research projects with ICCMC

- Up to now, ACF has funded two Technical Task Groups (TG2 and TG3) under the coordination of ICCMC for the concrete research works.
- Regarding this issue, ACF and ICCMC may have agreement on mutual copyright of the publications
- Joint logos of ACF and ICCMC in all publications (cover)

## **TG2: Task Group for Studying Maintenance for Leakage due to Cracking**

The report was presented by Prof. Oh Sangkeun from the Seoul National University of Technology.

Since ACF/TG2 newly established on Nov. 2006, Bali, Indonesia, ACF/TG2 have been to perform a task to propose guidelines on repair of leakage due to cracks. And this task was related to task of ISO/TC71/SC7/WG3 which was established on Nov. 2005.

There was a first discussion about a task of TG2 at ICCMC full committee meeting, 29-30 June, 2007, Taipei, Taiwan. At this meeting, the project's main objective, working plan and the other matters were reported from coordinator. At this time, it was informed the cooperation with ACF/TG2-ISO/TC71/SC7/WG3, and discussed how to develop the document and organize the member.

The project's main objective of TG2 is

to propose guideline on repair of leakage due to cracks.

At first, for this project, it is very important to understand about the social and technical background on problems of water leakage crack in public and private concrete structures. As social background, many countries have the increasing problem of social cost for the repeating maintenance to repair leakage crack. And as technical background, though there are various methodologies and materials for maintenance of leakage crack, all of them have not been appropriately proved to be adequate. Those problems could be attributed to the insufficient knowledge and understanding on the negative factors which water leakage crack has. From all the aforementioned problems, also there was strongly needed for a standardized guideline as the proper way to solve water leakage problems.

TG2, at first, investigated the environmental condition related with leakage crack, the types of repairing

materials, the procedures to select the appropriate repairing materials, the execution methods of different types of repairing methods, and the performance assessments of applied materials and methods. On the basis of investigation results, TG2 made the initiate draft report. This report deals with about:

1. Basic required performance for repair materials,
2. Procedures to select proper repair materials and proper repair methods, and
3. Assessment methodology including standardized test methods.

The future work of TG2 is to suggest "how to select appropriate materials and methods in accordance to many different environmental conditions related with water-leakage cracks."

And this report will be discussed with related member of AFC/ICCMC at meeting, and collected some opinion from other country member.

## **TG3: Task Group for Studying Assessment and Intervention for Seismic Damage**

The report was presented by Dr. H. Kumagai from the Japan Concrete Institute.

A paper, 'Seismic Damage Assessment and Retrofit', authored by H. Kumagai, H. Shima, L.L. Chung and S.J. Hwang, was submitted to the Third ACF International Conference – ACF/VCA 2008. It was a joint work between Japan and Taiwan on the general guideline of seismic evaluation and the case study on an existing building damaged by Chi-Chi earthquake in 1999. Since many existing structures do not satisfy the present seismic performance requirement, seismic damage assessment and retrofit is a stringent issue. However, there are no guidelines for seismic assessment and retrofit in many countries. This paper is a digest of the first draft on "Seismic Damage Assessment and Retrofit."

A draft of 'Guidelines for the Seismic Assessment and Retrofit of Reinforced Concrete Structures' was prepared by JCI Joint Committee of Model Code for Asia and of ISO TC71. The draft is planned to be submitted to ISO TC71 as a proposal for Seismic Assessment and Retrofit Guidelines. Before submission, Japan and Taiwan will discuss on it. There are five chapters in the draft. They are: general, fundamentals of retrofit, inspection, seismic assessment and retrofit.

The guidelines are considered to match with each regional code. In Taiwan, a technology handbook for seismic evaluation and retrofit of school buildings has been published. From the past research accomplishments on seismic performance of school buildings, retrofit targets are specified for the general school buildings and the school buildings as emergency shelters right after a disastrous earthquake. The capacity curve of the building can be acquired from

pushover analysis. The capacity curve is then transformed into capacity spectrum. By comparing the seismic capacity of the school building to its demand, the degree of retrofit can be estimated. The retrofit design can be refined by the evaluation of the retrofitted building. Four retrofit methods, which have been studied analytically and experimentally, are introduced in the handbook. Detailed procedures for seismic evaluation and retrofit design are illustrated. In Japan, 'Standard for Seismic Evaluation' and 'Guidelines for Seismic Retrofit' have been established since 1977. The seismic performance of a building is represented in terms of seismic index of structure based on the strength and the ductility.

### 3. New Task Groups (Approved and accepted for 2009 – 2010)

During the 4<sup>th</sup> EC Meeting held in Ho Chi Minh City on 10 November 2008, 3 new Technical Task Groups were accepted for the new term 2009 – 2010. These tasks were founded in order to realize the objective of ACF to support the international collaborative activities for development of research and technology relating to various aspects of concrete and concrete structures.

#### TG1: Identification of Shrinkage and Creep of High Strength Concrete in Humid Tropical Weather

**Responsible Persons:**

1. Dr. Franciscus Supartono
2. Dr. Elly Tjahjono (Mrs)

**Position:**

1. Associate Professor of UI/ACF Vice President (2007–2008)
2. Head of the Concrete Laboratory & Associate Professor of UI

#### TG2: Drafting Complete Set of Level 3 Documents for ACMC

**Responsible Persons:**

1. Prof. Somnuk Tangtermsirikul
2. Prof. Tamon Ueda

**Position:**

1. Vice Chairman (for Technical) of ICCMC
2. Chairman of ICCMC

**Responsible Organization:**

ICCMC

**Purpose of Activity:**

Currently Asian Concrete Model Code (ACMC) consisting of level 1 and level 2 documents which only provide basic concept and methodology for performance-based code of structural design, construction and maintenance of concrete structures. It might not be a good enough model for any coun-

**Responsible Organization:**

HAKI & the University of Indonesia

**Purpose of Activity:**

Concrete is the most widely used material for construction in Indonesia and South East Asia regions. As the High Strength Concrete was developed rapidly in the region, many concrete properties have not been well identified yet, e.g. the long-term deformation such as shrinkage and creep, especially in the humid tropical weather.

Within this objective, a 2 years research is proposed to be performed, by making a full scale concrete beam specimens ( $f_c' = 60$  MPa) equipped with strain gauges (vibrating wire strain gauges), for shrinkage test (consisting of 2 concrete beams without reinforcement or minimum reinforcement) and creep test (consisting of 2 prestressed concrete beams). The specimens will be installed in a usual

try to draft their national code of practice, especially for the countries that are not really ready to develop their own performance verification methodology. That is one of the reasons why no country has fully developed level 3 documents in accordance to the current ACMC. For this reason, this proposed TG is to draft the level 3 documents of Part 1 (Design), Part 2 (Construction) and Part 3 (Maintenance) of ACMC. The drafting of complete set of level 3 documents has been, in fact, the main agenda of ICCMC since the development of ACMC in 2001.

**Expected results:**

- One of the reasons for ISO/TC71 has not included ACMC in the list of “deem-to-satisfy” code is the fact that there is no national code in accordance with ACMC. The complete set of level 3 documents of

room temperature (25°C – 30°C) and humidity, while curing will be done in a same manner with the usual concrete practice.

Strain measurements will be done twice daily during the research period. At the end of the research term, a time dependent shrinkage strain and creep strain will be drawn. Besides, identification will be made by using rheological mathematic model as well as the ACI shrinkage and creep model.

Results of the research are hopefully able to be used as a technical information for the High Strength Concrete practice in the region, particularly in Indonesia.

**Agreed TG Cost**

USD 3,000/year (total of USD 6,000 for 2 years).

ACMC would help various countries to draft their national code in accordance with ACMC.

- After completing all the level 3 documents for three Parts, ACMC would be really comparable to fib Model Code and ACI Code. Even ACMC would be ahead of them since it would contain the extensive parts for construction and maintenance.
- Since ACMC is based on the performance-based concept, the ACMC with full level 3 document would give a significant impact to ISO 19338, which has not implemented the performance-based concept yet, and possibly improve it.

**Agreed TG Cost**

USD 3,000/year (total of USD 6,000 for 2 years).

**TG3: Survey on statistical data of constituent materials and production of concrete in Asian countries**

**Responsible Persons:**

Takafumi Noguchi

**Position:**

Associate Professor at the University of Tokyo

**Responsible Organization:**

ICCMC & the University of Tokyo

**Purpose of Activity:**

The purpose of the proposed TG is to provide useful information for environmental consideration of concrete and concrete structures. At the establishment of ICCMC, that is 1994, we conducted the similar survey on constituent materials used in each

country, amount of concrete production, and code and standards for design and execution of concrete structures. But 15 years have past and the situation has been changed both in technology, economy and social requirements, which must have influenced the statistical data on constituent materials and concrete. We also need such kind of data related to environmental impact as energy consumed, waste generated, etc. in ready-mixed concrete plants and construction site. To collect and analyze the statistical data will be of great importance in minimizing environmental impact such as CO2 emission and waste disposal in concrete industries.

**Expected results:**

The following useful information in each country will be provided to ACF members:

- Change in the amount of concrete

- production, the number of ready-mixed concrete plants
- Distribution of concrete strength, water-to-cement ratio and slump
- Type of constituent materials and the amount of those production
- Energy consumption and CO2 emission in producing cement, aggregate and concrete and in transportation of those
- Type and amount of waste, and treating methods for in quarries, ready-mixed concrete plants and construction site

Prediction will be made regarding the above data and effective measures be proposed to minimize environmental impact in concrete industries in Asia.

**Agreed TG Cost**

USD 3,000/year (total of USD 6,000 for 2 years).

**4. ACF Membership Category**

During the 4<sup>th</sup> ACF EC Meeting and the 2<sup>nd</sup> General Assembly held in Ho Chi Minh City on 10 November 2008, it was agreed that ACF changes its membership category to 4 categories (A, B, C and D) instead of 3 categories agreed previously. Reason of this change is mainly to accommodate more countries in the Asian region to join the Federation as a Representative Member (RM).

At the moment, ACF Representative Members have chosen its membership category as follows:

- Japan: A
- Korea: B
- Taiwan: B
- Australia: C
- India: C
- Indonesia: C
- Philippines: C

- Singapore: C
- Thailand: C
- Vietnam: C
- ICCMC: C

As the category changes, ACF membership application forms were also modified and will be sent in the near future to the potential countries / societies in the Asian region.

Sub category	Subscription	Voting right at General Assembly	Benefits
A	US \$4000 /year	100	<ul style="list-style-type: none"> <li>➤ Voting right for the election of the Executive Council and nominating right for candidates of an Executive Council member.</li> <li>➤ Voting right at the General Assembly.</li> <li>➤ 8 persons for "Subcategory A", 4 persons for "Subcategory B", 2 persons for "Subcategory C", and 1 person for "Subcategory D" from Representative Member (RM) can enjoy the same benefits as Individual Member (IM).</li> <li>➤ A copy of any publications issued by the Federation during the membership period.</li> </ul>
B	US \$2000 /year	50	
C	US \$1000 /year	25	
D	US \$500 /year	10	



# 3<sup>rd</sup> ACF/VCA International Conference 2008

## Dr. Luong Duc Long Secretary of Local Organizing Committee (LOC)

### 1. Conference LOC

For the conference preparation, VCA has established the Local Organizing Committee (LOC) which consists of 12 persons. Chairman of LOC is Mr. Tong Van Nga – the president of VCA, the Secretary of LOC is Dr. Luong Duc Long, and the Senior Advisor of LOC is Prof. Nguyen Tien Dich who is an expert in the organization of scientific conference.

### 2. Conference papers & participants

- The LOC has received 160 papers from 17 countries, including 6 keynote papers.
- 6 sessions were established as follows:
  - Plenary Session for invited papers (6 keynote papers)
  - Technical Session A: Concrete Materials (66 papers)

- Technical Session B: Analysis & Design (26 papers)
- Technical Session C: Testing (26 papers)
- Technical Session D: Durability & Repair (23 papers)
- Technical Session E: ICCMC Code & Others (13 papers)
- 162 Registration Forms have been sent to the LOC.
- LOC has printed 400 proceedings of abstracts of papers, 400 CD proceedings of full papers, and 400 programme books of the conference with their conference bags.
- 7 meeting rooms in Rex Hotel were used for the conference.
- About 100 persons have participated the Mekong Delta Tour and City tour.
- There are 5 key sponsors for the conference: 1 gold, 1 silver and 3 bronze.

### 3. Conference documents

On the bags of materials for attendees, it was containing:

- 1 Conference Programme Book
- 1 Proceedings of Abstracts
- 1 CD Proceedings of Full Papers
- Some other information and brochures

### 4. Exhibition

Exhibition was organized beside the conference rooms in Rex Hotel from 11 Nov to 12 Nov 2008. There were 17 exhibitors registered in this event, on which 6 companies came from outside Vietnam.

### 5. Mekong Delta Tour

Mekong Delta tour was organized with no fee for participants on the full day of 13 November 2008.



Plenary Session



Appreciation to the Keynote Speakers

## Next Coming Concrete Events

**4<sup>th</sup> International Conference on Construction Materials: Performance, Innovations and Structural Implications (ConMat09)**  
**Nagoya, Japan, 24 – 26 August 2009**



First Announcement and Call for Papers

4<sup>th</sup> International Conference on Construction Materials: Performance, Innovations and Structural Implications

August 24<sup>th</sup> (Mon) - 26<sup>th</sup> (Wed), 2009  
 Nagoya Congress Center  
 Nagoya, Japan

<http://www.jci-web.jp/conmat09/>



**DEADLINE EXTENDED**  
 SUBMISSION OF ABSTRACTS  
 November 30<sup>th</sup>, 2008

**Organized by**  
 Japan Concrete Institute (JCI)  
 Japan Society of Civil Engineers (JSCE)  
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For more details, please contact the secretariat:  
 e-mail: [secretary@conmat09.jp](mailto:secretary@conmat09.jp), Facsimile: +81-3-3263-2115



T. Uomoto, Chair  
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Isgor O. B. (Canada)	Stitmannaiithum B. (Thailand)
Kojima T. (Japan)	Supartono F. (Indonesia)
Leung C. (HongKong)	Tanaka K. (Japan)
Marchand J. (Canada)	Tangtermsirikul S. (Thailand)
Maruyama K. (Japan)	Tateishi K. (Japan)
Masuda Y. (Japan)	Uomoto T., Chair (Japan)
Mihashi H. (Japan)	Wee T. H. (Singapore)
Misra S. (India)	Yoshimura M. (Japan)
Miyagawa T. (Japan)	

### Conference Website

<http://www.jci-web.jp/conmat09/>

The information about the submission of abstracts, registration and social programs will be available through the conference website.

## Important dates

Submission of abstracts:	November 30 <sup>th</sup> , 2008
Notification of abstract acceptance:	December 31 <sup>st</sup> , 2008
Submission of manuscript:	February 28 <sup>th</sup> , 2009
Notification of manuscript acceptance:	March 31 <sup>st</sup> , 2009
Submission of final manuscript:	May 31 <sup>st</sup> , 2009

NOTE: The abstract should be written in English and should not exceed 300 words. Specific objectives of the study or project, and the methods and results, should be stated, but tables, figures and footnotes should be omitted.

## Registration fees

	until April 30 <sup>th</sup> , 2009	after May 1 <sup>st</sup> , 2009
General*	JPY 70,000	JPY 80,000
Students**	JPY 30,000	JPY 40,000
Accompanying person*	JPY 15,000	JPY 20,000

\*: Reception and banquet fees are included.

\*\* : Banquet fee is not included.

## Language

The official language of the conference is English.

## For your information

The following international conferences are sponsored by JCI.

**Concreep8** will be held from Sep. 30<sup>th</sup> to Oct. 2<sup>nd</sup>, 2008 in Ise-Shima, Japan. (<http://concrete-lab.civil.nagoya-u.ac.jp/concreep8>)

**8HSC-HPC** will be held from Oct. 27<sup>th</sup> to Oct. 29<sup>th</sup>, 2008 in Tokyo, Japan. (<http://www.jci-web.net/8HSC-HPC>)



Yahagi-kawa bridge (820m), Toyota City

## ConMat'09

ConMat'09 attempts to build on the successes of the first three conferences in Ottawa, Canada(1997), San Jose, USA (2001) and Vancouver, Canada (2005). The primary purpose of ConMat'09 is to bring experts in materials and structures on a common platform with the objective of exchanging cross-disciplinary ideas and learning from recent advances in respective fields.

## Call for papers

Papers are sought in the following areas related to concrete, concrete-steel composite and fiber reinforced polymers.

### 1. Performance of Materials

- Physical properties and constitutive response
- Long-term performance of existing structures and case studies
- Long-term exposure tests and deterioration mechanisms
- Performance under severe environment
- Behavior under seismic, fatigue and impact loading
- Test methods for performance criteria
- Environmental impacts

### 2. Specialized Materials

- High-performance concrete
- Fiber reinforced concrete
- Light weight concrete
- Shotcrete technology
- Special reinforcement

### 3. Operation, Maintenance and Repairs

- Assessment of structural condition
- Coating and surface treatments
- Electrochemical techniques
- Strengthening and repair methods
- Retrofitting for seismic loads
- Recycling and reuse

- Structural health monitoring and advanced sensing

#### 4. New Design Methods

- Integration of structural and durability design
- Life cycle management
- Life cycle economy
- Codes and standards
- Environmental design

### Proceedings

Accepted papers will be delivered as a conference proceeding (CD-ROM). All papers will be editorially reviewed.

### Technical exhibition

Recent advanced concrete-related technologies will be presented as technical exhibition by material suppliers, design, engineering and construction firms. The exhibition will be held at the same place as the conference.

### Social program

A reception on August 23<sup>rd</sup> (Sun), 2009 and a conference banquet on August 25<sup>th</sup> (Tue) for participants and accompanying persons are included in the conference. Technical excursion and tours of Nagoya will also be available. More information will be shown in the next announcement for details.

### Conference venue

#### Nagoya Congress Center

1-1 Atsuta-nishimachi, Atsuta-ku, Nagoya 456-0036

Phone: +81-52-683-7711 / Fax: +81-52-683-7777

[http://www.ncvb.or.jp/ncc\\_e](http://www.ncvb.or.jp/ncc_e)



*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:*

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