



ICCMC full committee meeting, 1 December, 2010,  
Taipei, Taiwan

## **Minutes of International Committee on Concrete Model Code for Asia Annual General Meeting**

**December 1, 2010, National Center for Research on Earthquake Engineering, Taipei, Taiwan**

---

### **Participated members:**

- |   |   |
|---|---|
| 1. Prof Taketo Uomoto, chairman               | Public Works Research Institute, Japan                        |
| 2. Prof Somnuk Tangtermsirikul, vice-chairman | SIIT, Thammasat University, Thailand                          |
| 3. Prof Tan Kiang Hwee, vice-chairman         | National University of Singapore, Singapore                   |
| 4. Prof Ekasit Limsuwan, EC member            | Chulalongkorn University, Thailand                            |
| 5. Prof Koji Takewaka, EC member              | Kagoshima University, Japan                                   |
| 6. Prof Tamon Ueda, EC member                 | Hokkaido University, Japan                                    |
| 8. Prof Zhao Tie-Jun, EC member               | Qingdao Technological University, China                       |
| 9. Prof Jang-Ho Jay Kim                       | Yonsei University, Korea                                      |
| 10. Prof Oh Sang Keun                         | Seoul National University of Science and Technology,<br>Korea |
| 11. Dr Manabu Kanematsu                       | Tokyo University of Science, Japan                            |
| 12. Dr Werawan Manakul                        | Hokkaido University, Japan                                    |
| 13. Dr Kohei Nagai                            | University of Tokyo, Japan                                    |
| 14. Dr Michiaki Oyado                         | Railway Technical Research Institute, Japan                   |
| 15. Dr Kazuo Yamada                           | Taiheiyo Consultant Co. Ltd., Japan                           |
| 16. Fu-Pei Hsiao                              | NCREE, Taiwan   |
| 17. Shyh-Jiann Hwang *                        | NCREE, Taiwan   |

### **Observers:**

- |                                    |  |
|------------------------------------|--|
| 18. Dr Michael Henry               | University of Tokyo, Japan   |
| 19. Chien-Kuo Chiu                 | NTUST, Taiwan  |
| 20. Chung, Lap-Loi                 | NCREE, Taiwan  |
| 21. Dr Chalermchai Wanichlamlert * | SIIT, Thammasat University, Thailand                                 |
| 22. Dr Raktipong Sahamitmongkol *  | SIIT, Thammasat University, Thailand                                 |
| 23. Dr Pakawat Sanchaen *          | SIIT, Thammasat University, Thailand                                 |
| 24. Warangkana Saengsoy *          | SIIT, Thammasat University, Thailand                                 |
| 25. Pongsak Choktaweekam *         | Construction and maintenance Technology Research<br>Center, Thailand |
| 26. Sontaya Tongaroonsri *         | Thailand   |

### **Administrative manager:**

- |                      |                            |
|----------------------|----------------------------|
| 27. Ms. Naoko Masaki | Hokkaido University, Japan |
|----------------------|----------------------------|

\* attended partly



ICCMC full committee meeting, 1 December, 2010,  
Taipei, Taiwan

**December 1, 2010**

### **1. Welcome and self introduction of participants**

Participants introduced themselves including observers.

### **2. Introduction of newly elected EC members**

Elected new EC members of ICCMC for July 1 2010 - June 30 2012 were reported.

Chairman: Prof Taketo Uomoto, Public Works Research Institute, Japan

Vice-chairman (policy): Prof Tan Kiang Hwee, National University of Singapore, Singapore

Vice-chairman (technical): Prof Somnuk Tangtermsirikul, Thammasat University, Thailand

WG1 coordinator: Dr Jeffrey CL Chiang, University Tunku Abdul Rahman, Malaysia

WG2 coordinator: Dr Takafumi Noguchi, University of Tokyo, Japan

WG3 coordinator: Prof Hiroshi Yokota, Hokkaido University, Japan

WG4 coordinator: Dr Sanaul Chowdhury, Griffith University, Australia

Other EC members

Prof Ekasit Limswan, Chulalongkorn University, Thailand

Prof Zhao Tie-Jun, Qingdao Technological University, China

Prof Koji Takewaka, Kagoshima University, Japan

Prof Tamon Ueda, Hokkaido University, Japan

### **3. Approval of the minutes of last ICCMC meeting**

### **4. Adoption of agenda**

### **5. Appointment of drafting committee**

Dr. Nagai and Dr. Henry were appointed for drafting the minutes.

### **6. Overall review on activities since BKK meeting (Chairman: Prof. Uomoto)**

- a Prof. Uomoto and Prof. Ueda introduced the following main activities of ICCMC this year.
- b Newsletters have published.
- c Several TR and L3 documents have been issued.
- d ICCMC activities have extended to ISO activity especially in ISO/TC71/SC7.
- e Special session of ICCMC in 4th ACF conference was held.
- f Key note lecture was delivered in IABSE symposium by Prof. Ueda on ICCMC activities.

### **7. Updated information related to activities on technical matters (Vice chairman: Prof Somnuk)**

Prof. Somnuk pointed out the following items to be considered on technical matters of ICCMC activities.

- a Combination of L1 and L2 should be discussed because the contents of the documents seem to be similar.
- b ICCMC documents should be categorized.
  1. ACMC - only the code
  2. Other technical documents
- c Revised version of ACMC should be drafted since the previous one was published in 2006.
- d Standard format for ICCMC documents is necessary.



ICCMC full committee meeting, 1 December, 2010,  
Taipei, Taiwan

- e New WG on environmental issues should be established.
- f Permanent representatives from local concrete institution in each WG should be selected to have continuous discussion.
- g Journal of ACF should be published.

#### **8. Updated information related to activities on policy and ISO (Vice-chairman: Prof. Tan)**

Prof. Tan explained the ISO activities where ICCMC played an important role in SC7 and SC8 in TC71. Activities with ACF in complete set of L3 documents were also introduced.

#### **9. Issue of the merger with ACF (Prof Ueda)**

Prof. Ueda explained about a merger between ACF and ICCMC. Process of the merger is introduced. It has been approved by ACF officially.

Issues to be concerned on the merger are listed as follows.

- a Nature of ICCMC, volunteer individual experts based activity, should be kept even after the merger.
- b Code-related activities are the main activities of the renewed ICCMC.
- c Secretariat issues of ACF and ICCMC
- d Website, newsletter
- e Logo and name of renewed ICCMC
- f ICCMC will become Technical Committee (TC) of ACF
- g The TC should have the right to choose a chairman among the members
- h The EC member from TC should become a member of EC of ACF
- i Membership and account transition

Following comments are given from members.

- This group should concentrate only on code-related matters. The other technical publication work would be done by other committee in ACF.
- After the merger, some documents need approvals by ACF to publish.
- ACF will control the activity of renewed ICCMC by allocation of budget and selection of members.
- How to continue or organize an activity on ISO.
- ACF has approved the proposal from ICCMC on the future activities so that the nature of ICCMC including the ISO activity can be taken over after the merger.
- It is preferable to have more members from China. ACF currently does not have so much members from China.
- Additional opinion should be delivered to ACF.

#### **10. Updated information on WG1 activity (Prof. Tan)**

*(see WG1 notes – no discussion points)*

#### **11. Updated information on WG2 activity (Prof. Kim)**

- a Clarification regarding “Taiwan code”: code on the use of recycled aggregate concrete
- b ACF/ICCMC needs to develop as many publications as soon as possible, e.g. SCC, mass concrete, etc.
- c Japan (JSCE) has many of these documents in English; although these are from Japanese viewpoint they can still be useful, particularly in similar areas
- d Prof. Somnuk: the Japanese group doesn't have to draft the whole code, but if they at least supply and distribute it then the feedback will help speed up the generalization; this may make it easier to produce codes in the future (such as level 3 documents)



ICCMC full committee meeting, 1 December, 2010,  
Taipei, Taiwan

- e Why does the Japanese group take so long to modify the Japanese codes? They don't know what changes or modifications are necessary to generalize for other countries
- f Such future works may be coordinated by ACF

**12. Updated information on WG3 activity (Prof. Takewaka)**

*(see WG3 notes – no discussion points)*

**13. Updated information on WG4 activity**

*(no information)*

**14. Interim report on ICCMC funded project “recycling of demolished concrete as coarse aggregate”**

*(no information)*

**15. Report on new ACF funded TG “Survey on statistical data of constituent materials and production of concrete in Asian countries”**

- a Survey is nearly prepared and should be distributed soon
- b Establishing contact people in each of the target countries is important to get a higher response rate

**16. Report on new ACF funded TG “Drafting complete set of level 3 documents for ACF” (Prof. Somnuk)**

- a Not much progress on these issues; have tried to contact the people in charge of each working groups
- b WG1: concept of level 3 documents is still unclear among members so there is no progress
- c WG2: JSCE and Thailand have made progress, and comments have been received from EC members
- d WG3: do not know whether a complete set of level 3 documents is necessary or not
- e To make a complete set for each WG is difficult because it is very time-consuming; what about creating some example sets (in WG3, for example, for a given type of structure under certain environmental conditions)? This also takes time but is less difficult
- f If example level 3 codes already exist in the form of Japanese code, Korean code, Thai code, etc. – then is it necessary to create a complete set? Another alternative is an incomplete example but for a given specific case
- g For WG2, Japan and Thailand already have similar codes at this level, so how to handle this issue?
- h Do we need to verify if the Japanese code itself is actually following the ACF code or not? If we have an official assessment it provides another option
- i So once ICCMC merges with ACF, will ACF then move forward to develop an ACF code, like fib? Maybe this is one goal; for example, Eurocode has national annex, or countries just adopt and adapt fib code based upon their own needs, so if ACF develops a model code then this is one possibility as well
- j However, if you just copy another code and replace the parameters with your specific case, then this isn't adopting a new code
- k Unfortunately no conclusion on this topic was reached – further discussion is necessary!

**17. AM's report on ICCMC office matters (Ms. Masaki)**

- a 77 individual members from 15 countries; 4 representative members from 4 countries; 6 corporate members (Japan)



ICCMC full committee meeting, 1 December, 2010,  
Taipei, Taiwan

- b 34 members in WG1, 17 members in WG2, 36 members in WG3, 5 members in WG4
- c ICCMC fiscal year report: income is limited due to small membership, low member fee
- d Membership decreased year-on-year
- e After ICCMC merges with ACF, then members who belong to both will only pay one membership fee so income will reduce further

**18. Discussion and decision on budget (how to improve financial situation of ICCMC)**

- a Those who have any idea please send a message to the president of ACF!
- b If you need information please contact Ms. Masaki

**19. Discussion and decision on next meeting**

- a We don't know when the merge with ACF will occur
- b ICCMC may have meetings in between, as ACF meets only once every two years
- c Are there any good symposiums or workshops next year? – many conferences in China
- d Another possibility: ISO meeting (Prof. Somnuk, Prof. Tan) in Hong Kong in June

**20. Any other business**

- a Prof. Somnuk: what to do about level 1 and level 2 documents? Do they need to be merged?
- b Secondary mission for next meeting 2011: complete up to what we can; it's not necessary to complete everything (secondary revision of ACMC)

*Discussion notes by Dr Kohei Nagai and Dr M. Henry (Univ. of Tokyo)*

