

## **First announcement 2<sup>nd</sup> TCI-JCI-KCI Symposium**

**Nov. 26-28, 2010, National Taiwan University of Science and Technology, Taipei, Taiwan**

The symposium is to provide a forum for concrete professionals from TCI (Taiwan Concrete Institute), JCI (Japan Concrete Institute), and KCI (Korea Concrete Institute) to exchange new information on concrete technology and to foster cooperation among the three concrete institutes. The symposium is held every two years. The first symposium was proposed by KCI in Nov. 2007 and subsequently agreed by JCI (Feb. 2008) and TCI (Jan. 2008). It was held on 11/7, 2008, in Kintex, IL-San, Korea. The second TCI-JCI-KCI Symposium will be hosted by TCI and held on 11/26~11/28, 2010, at the National Taiwan University of Science and Technology, Taipei, Taiwan. The third symposium will be held in Japan.



Participants of the first KCI-JCI-TCI symposium

## 2<sup>nd</sup> TCI-JCI-KCI Symposium

### Symposium theme

Sustainable concrete technology  
New RC structures

### Venue

IB 201, National Taiwan University of Science and Technology, Taipei, Taiwan

### Agenda

#### 11/26 (Friday)

18:00 Welcome reception (symposium participants from TCI, JCI and KCI)

#### 11/27 (Saturday)

08:45~09:15 Registration

09:15~10:00 Invited lecture: Strategy and outlook of energy saving and carbon reduction for Taiwan public construction (Prof. Jenn-Chuan Chern, Deputy Minister of Public Construction Commission)

10:00~12:00 Session 1 (six presentations, each with 15-minute speech and 5-minute discussion)

12:00~13:20 Lunch

13:20~15:20 Session 2 (six presentations)

15:20~15:40 Break

15:40~17:40 Session 3 (six presentations)

17:40~18:20 Discussion session

19:00 Banquet (symposium participants, and technical committee chairs of TCI)

#### 11/28 (Sunday)

09:00 Technical tour (hosted by Ruentex Engineering & Construction Co., Ltd.)

### Paper submission

Papers should be submitted by Sept 30th to Yu-Chen Ou at [yuchenou@mail.ntust.edu.tw](mailto:yuchenou@mail.ntust.edu.tw).

### Registration

Free to all symposium speakers and participants

### Contact persons

#### JCI

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## Presentation titles and authors

### Theme 1: Sustainable concrete technology

Institute	Paper title	Authors	Institution
JCI	ISO environmental standard development for concrete sector (tentative)	Koji SAKAI*	Kagawa Univ
	Concrete recycling - past, present and future	Takafumi NOGUCHI*	Univ. of Tokyo
	Low-carbon concrete using ground granulated blast-furnace slag and fly ash	Takeju MATSUKA*	
KCI	Sustainable concrete technologies of Korea	CHOI, Dong Uk*	Hankyong National Univ.
	Compression splices in high-strength concrete	OH, Bohwan* CHUN, Sung Chul LEE, Sung Ho	Daewoo Institute of Construcion Technology,
	Framework of performance-based design for concrete structures in Korea	SHIN, Soobong* JEONG, Hasun KIM, Woo PAIK, Inyeol CHOI, Jung-Wook	Inha Univ. KCI Research Center Chonnam National Univ. Kyungwon Univ. KCI Research Center
TCI	The utilization of by-products in Taiwan	Wen-Chen JAU*	National Chiao Tung Univ.
	Performance evaluation of carbonated reinforced concrete	Chun-Tao CHEN*	National Taiwan Univ. of Science and Technology
	Economic and environmental performances of retrofitting technologies for low-rise RC buildings in Taiwan	Chien-Kuo CHIU*	National Taiwan Univ. of Science and Technology

\*Presenter

Theme 2: New RC structures

Institute	Paper title	Authors	Institution
JCI	Recent development of high performance concrete in Japan and TC Activities of JCI	Hirozo MIHASHI*	Tohoku Institute of Technology
	A new concept for design of shear strength at diagonal cracking of reinforced HSC beams coupled with early age shrinkage.	Ryo-ichi SATO*	Hiroshima Univ.
	Development of super high strength concrete with advanced fire resistive performance	Kenrou MITSUI*	
KCI	Application of SMA(Shape Memory Application) to civil engineering structures in Korea	CHUNG, Young Soo* CHOI, Eun Soo PARK, Yong Kwon	Chung-Ang Univ.
	Structural system of Burj Khalifa	SONG, Younghoon*	Institute of Technology, Samsung E&C
	Development of holed web prestressed concrete (HWPC) girder	HAN, Manyop*	Ajou Univ.
TCI	Seismic behavior of high strength RC columns subjected to lateral force under severe gravity load	Shyh-Jiann HWANG Ker-Chun LIN* Fong-Chan CHANG	National Taiwan Univ. NCREC National Taiwan Univ.
	Preliminary study on structural design and seismic evaluation for New RC buildings	Kuo-Chun CHANG* Chang-Yu CHEN	National Taiwan Univ. NCREC
	Seismic Performance of Beam-Column Joints using High-Strength Reinforcement and Mechanical Anchorage	Hung-Jen LEE*  Shyh-Jiann HWANG Ker-Chun LIN	National Yunlin Univ. of Science and Technology National Taiwan Univ. NCREC

\*Presenter