

Recent International Collaboration of KCI

2018.3.25

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& Korea Concrete Institute

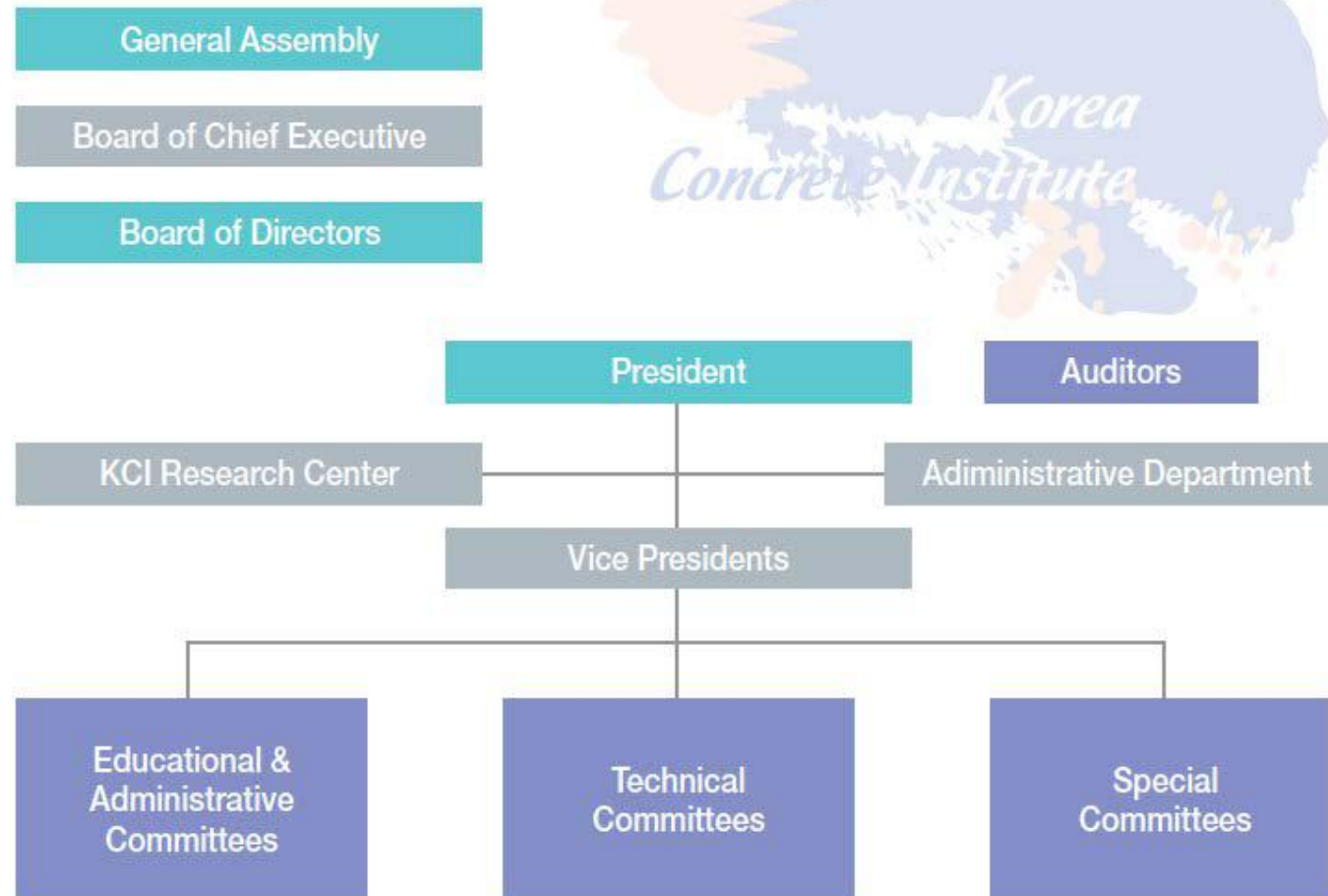
Korea Concrete Institute

- KCI strives to update and prepare information and technologies for the application of concrete materials, structural design and analysis, as well as construction work and manufacturing process.
- KCI is a nonprofit organization, headquartered in Seoul, Korea, with international cooperation which endeavors to advance the current status of concrete industry.



KCI Organization

Organization



Previous KCI's International Activities

- **Cooperation with International Organizations**

- ISO/TC 71 : Participation of SC activities (including Secretariat of SC 7)
- ACF : Founding member (2003.9), Presidentship (2009~2010, 2015~2016)
- ACI : Agreement of Collaboration (1996.1); ACI/KCI Intl. Conf. (2000.9); KCI-ACI Joint Seminar (2005.12)
- JCI : Agreement of Collaboration (1993.5), KCI-JCI Joint Committee (2006.9-2009.1)
- TCI : Agreement of Collaboration (2006.11)
- KCI-JCI-TCI Symposium (1st 2008.11, 2nd 2010.11, 3rd 2012.6)
- KCI-Spain Workshop (2009. 5) : Workshop KOSEF-CSIC on Concrete Technology
- FraMCoS-7 (2010.5) : 7th Intl. Conference on Fracture Mechanics of Concrete and Concrete Structures
- TCA, CCI, ICI Agreement of Collaboration (2012)
- fib National Member (2012.6)
- Rilem MOU (2014.9)
- ACF 2014 (2014.9) the 6th International Conference of Asian Concrete Federation



Recent KCI's International Activities

- With  and 
- Joint ACI-KCI-TCI session, “Recent Advances in Construction, Evaluation and Repair of Concrete Structures and Materials: International Perspectives with KCI and TCI”, in 2019 Spring ACI Convention in Québec City, Canada, has been approved by TAC.
- Moderators: Jimmy Kim (ACI), Thomas Kang (KCI) & Hung-Jen Lee (TCI)
- Sponsoring Committees: ACI Committee 345, Concrete Bridge Construction, Maintenance, and Repair and ACI Committee 369, Seismic Repair and Rehabilitation
- Expansion from Joint KCI-ACI session, “International-Level Research, Practice and Partnership” in 2012 Fall ACI Convention in Toronto, Canada (Moderator: Thomas Kang)
- This time, also three 2-hour sessions (Hopefully on Sun, Mon or Tue)
- Current and past KCI/TCI Presidents & Vice Presidents will attend and present.
- Speakers and Titles: See next page

Recent KCI's International Activities

1. Issam Harik (Recent Development and Deployment of FRP Systems for Structural Concrete Retrofit and Strengthening)
2. Doug Gremel (Use of GFRP rebar in bridge decks, proven technology)
3. Johan Silfwerbrand (Repair & Maintenance of Swedish Concrete Bridges)
4. Brahim Benmokrane (Recent Developments on FRP Bars as Internal Reinforcement in Concrete Structures & Bridges)
5. Antonio Nanni (Halls River Bridge: Showcase of FRP Reinforcement)
6. Sami Rizkalla (Innovative use of FRP for the precast concrete industry)

from ACI 345

7. Chang-Sik Choi (Seismic Performance of Reinforced Concrete Shear Walls with Various Retrofit Details)
8. Jae-Hoon Lee (The First Korean Practice in External Tendon Corrosion Fracture of Prestressed Concrete Bridges)
9. Sung Chul Chun (Use of Large-Diameter Headed Bars in Concrete Joints for Enhanced Constructability)
10. Myoungsu (James) Shin (Probabilistic Models for the Ultimate Stress and Strain of Rectangular and Circular Confined Concretes)
11. Hong-Gun Park (Seismic Evaluation of Buildings Damaged under 2017 Pohang Earthquake)
12. Do Hyung Lee (Seismic Performance Evaluation and Behavior of RC Bridges)

from KCI



Recent KCI's International Activities

13. Kenneth J. Elwood (Challenges and progress toward the assessment of residual capacity for earthquake-damaged concrete buildings)
14. John W. Wallace and Saman A. Abdullah (Structural Walls: New Modeling Parameters for Seismic Evaluation)
21. Dominic J. Kelly (Use of High-Strength Reinforcement for Construction of Reinforced-Concrete Structures)
22. Sarah Orton (Response of Reinforced Concrete Members under Dynamic Collapse Loading)




from ACI 369

15. Shyh-Jiann Hwang and Tsung-Chih Chiou (Seismic Evaluation and Retrofitting of Low-rise Reinforced Concrete Buildings in Taiwan)
16. Ker-Chun Lin and Hung-Jen (Harry) Lee (Taiwan New RC project and guidelines)
17. Yu-Chen Ou and Kuang-Yen Liu (Confined Concrete Model and Design of High-Strength Reinforced Concrete Columns)
18. Yung-Chih Wang and Chien-Kuo Chiu (Seismic Design and Serviceability Requirement for RC Beams with High Strength Steel Reinforcement)
19. Wen-Cheng Liao and Hung-Jen (Harry) Lee (Experimental Study and Design Recommendations of Beam-Column Joints with High Strength Reinforcement and Highly Flowable Strain Hardening Fiber Reinforced Concrete)
20. Chung-Chan Hung and Min-Yuan Cheng (Cyclic Behavior of Concrete Structural Walls Reinforced with High-Strength Rebar)


from TCI



Recent KCI's International Activities

- With  Joint KCI-RILEM session has been agreed to be held either in 2018 or 2019.
 - Either in KCI Convention or RILEM Convention.
 - Involved personnel: Dong-Uk Choi, Thomas Kang, and Se Jin Jeon (KCI)
Mark Alexander, Geert De Schutter, Nicolas Roussel, Ravindra Gettu, and Johan Vyncke (RILEM)
- With  and 
 - Many KCI members participated in 23rd ISO/TC71 Plenary Meeting, Sept. 2017, Sapporo, Japan.
 - Previously, 21st ISO/TC71 Plenary Meeting was held in Oct. 2015, Seoul, Korea.

Recent KCI's International Activities

- With 
- Participating as a national member of 43 national members
- Delegate: Sung-Gul Hong, Delegate: Ki-Yong Ann
- Task Group 6.5 Precast Concrete Bridges Sixth Meeting was held in Goyang, Korea in 2017.
- Secretary General David Fernández-Ordóñez visited the headquarter of KCI, Seoul, Korea and discussed many future collaborations in Aug. 2017.



Recent KCI's International Activities

- With Vietnamese Industry (VINAINCO M&C)



- Agreed to collaborate and signed MoU in 2017. KCI President Chang-Sik Choi visited Hanoi, Vietnam.
- VINAINCON M&C President/CEO: Doan Viet Cuong



Thank you & hope to work with you, too!