

Recent Progress and Events of Korea Concrete Institute

March 24, 2019

Jae-Yeol CHO *Ph.D.*

Chair

Planning & Administration Committee
Korea Concrete Institute

Professor

Dept. of Civil and Environmental Engr.
Seoul National University



Brief Insight about KCI

- Founded in **1989**
- **11,106** members
- **9** staffs
- Hosts Spring and Fall Conventions
- Publish **IJCSM** (**SCIE**, bi-monthly)
- Responsible for revision of Structural Concrete Design Code and Construction Specification



New Presidentship

- **Jae-Hoon LEE**, PhD, PE

16th President (2019~2020)

Professor, Yeungnam University



- Vice President (2013~2014)
- Board Member (2007~2010, 2003~2004)
- Chair of Structural Design Code Committee
- Chair of Flexure-Compression Committee

Revision of KCI Design Code

- 4th revision

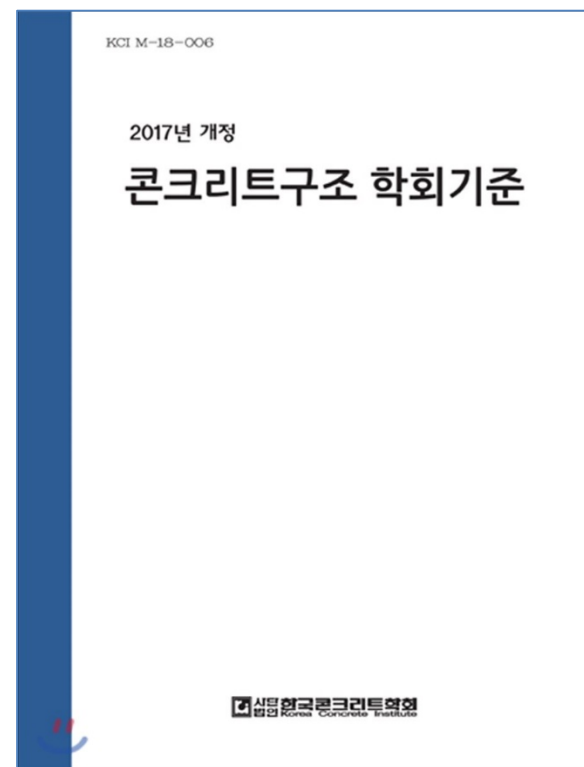
1st edition published in 1999

1st revision in 2003

2nd revision in 2007

3rd revision in 2012

4th revision in 2018



Korea Concrete Standard Specifications

- for civil structures except buildings
- by Korea Society of Civil Engineers
- Part 1. Design, 2. Construction
- 1962 1st edition Issued (ASD)
- 1968 1st revision - 2nd ed.
(ASD, appendix USD)
- 1977 2nd revision - 3rd ed.
- 1983 3rd revision - 4th ed.
(USD, appendix ASD)
- 1988 4th revision - 5th ed.
- 1996 5th revision - 6th ed.
- 1999 Unified to KCI Design Code

Korea Concrete Building Code

- by Architectural Institute of Korea
- 1972 1st edition Issued (ASD)
- 1977 1st revision - 2nd ed.
- 1988 2nd revision (USD) - 3rd ed.
- 1994 3rd revision - 4th ed.
- 1999 Unified to KCI Design Code



Korea Structural Concrete Design Code (KCI Code)

- by Korea Concrete Institute
- 1999 Unified edition (USD)
- 2003 1st revision – 2nd ed.
- 2007 2nd revision – 3rd ed.
- 2012 3rd revision – 4th ed.

Revision of KCI Design Code

- 4th revision

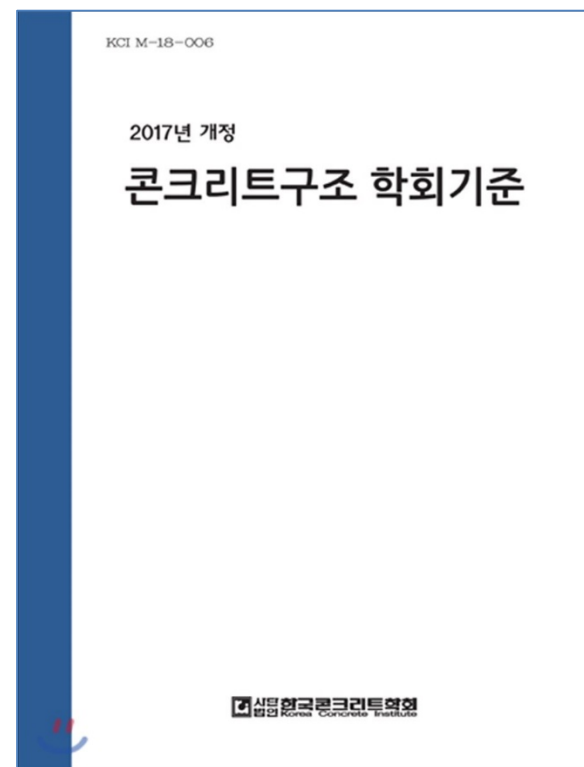
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Major Revisions in 2018

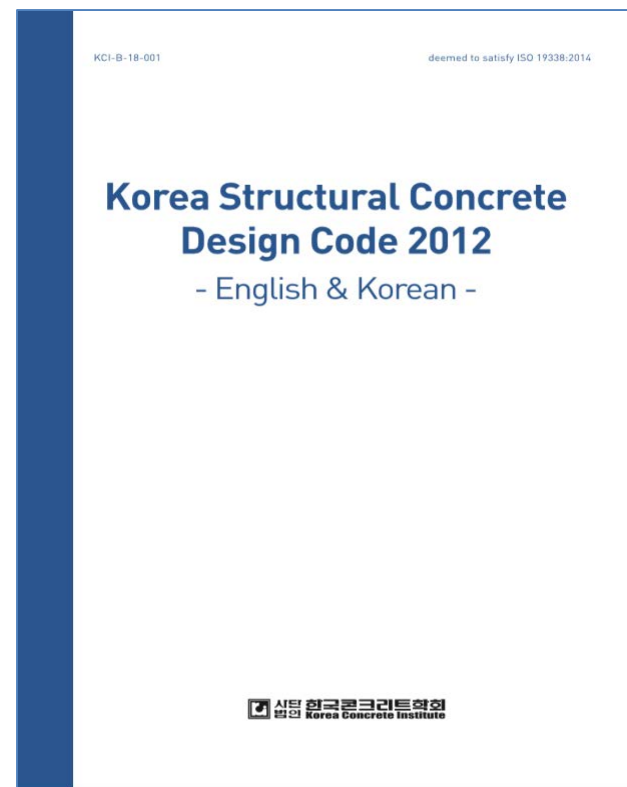
- Determination of **yielding point of rebars** considering the high-strength rebars
- **Exposure grades** in durability design considering Korea environments
- **Ultimate strain** and **stress distribution** of concrete considering high-strength concrete
- **Minimum amount of flexural reinforcement** considering the performance based design

Publication of English version of KCI Code

- ISO 19338 approved in 2010

KCI Code (2007) was approved in
ISO/TC71/SC4

- KCI Code (2012) has be translated in English



KCI 2018 Fall Convention

- November 7th ~9th, 2018
- PyeongChang
2018 Winter Olympic Games held
- 911 attendees & 387 papers



PyeongChang 2018



KCI 2018 Fall Convention

- ACI at KCI Convention?

ACI President David Lange deliver a Keynote



KCI Foundation 30th Anniversary

- 2019 KCI Spring Convention
May 8th ~ 10th, 2019
Jeju Island
- Publish 30-year history of KCI
- Enactment of **Concrete Day**
June 24th (KCI founded on June 24, 1989)

KCI @ ACI 2019 Spring Convention

- 00 attendee from Korea
- ACI-KCI-TCI Joint Sessions
 - **Session Title:** Advances in Construction, Evaluation, and Repair of Concrete Structures and Materials: International Perspectives with KCI and TCI
 - **Moderator:** Yail Jimmy Kim, Myoungsu Shin
 - **Date & Time:** Part 1 of 4 - March 25, 08:30 AM - 10:30 AM
Part 2 of 4 - March 25, 11:30 AM - 01:30 PM
Part 3 of 4 - March 26, 01:30 PM - 03:30 PM
Part 4 of 4 - March 26, 04:00 PM - 06:00 PM

감사합니다.

Thank you

ありがとうございます

谢谢您

Merci

Se lo agradezco

Благодарю вас

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La ringrazio

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