

# Chang-Nam Lee

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## EDUCATION

**Seoul National University**, Seoul, Republic of Korea

Master of Engineering in Architectural Engineering, August 1963

- Thesis: “Some considerations on fallout shelter (放射能落塵防禦 建築)”, Advisor:  
The Late Emeritus Professor Hyung-Gul Kim (Ph.D.)

**Seoul National University**, Seoul, Republic of Korea

Bachelor of Engineering in Architectural Engineering, March, 1961

## LICENCE

- **Registered Architect** (No. 920), December 1967 (Human Resources Development Services of Korea, Youngdeungpo-gu Office)
- **Professional Engineer Architectural Execution** (No. 76239701711), December 1969 (Human Resources Development Services of Korea)
- **Professional Engineer Architectural Structures** (No. 75233204003i), September 1975 (Human Resources Development Services of Korea)
- **APEC Engineer**, January 2010 (The Korean Professional Engineers Association)

## PROFESSIONAL EXPERIENCE

- **HYUNDAI Engineering & Construction** (July 1965 - October 1966), Dept. of Architecture
- **Korea Engineering Consultants Corp.** (September 1966 - March 1973), Dept. of Structural Design
- **SEN Structural Engineers Ltd. Co.** (July 1973 - current), CEO
- **SENVEX Ltd. Co.** (September 2006 - current), CEO

## RESEARCH INTEREST

- Project management in architecture, engineering, and construction
- Development of composite structure methods (TSC, PSRC)
- Prefabricated form system (T-type form, L-type form, Mortar form, FRP form) constructed with PSRC structural method

## MEMBERSHIP

- Seoul metropolitan city – Member of architectural commission
- Seoul metropolitan city – Member of Reconstruction safety diagnosis assessment group
- Gyeonggi-do – Member of Disaster risk facility review commission
- Ministry of Construction and Transportation – Member of High speed-railroad construction review commission
- Korea Institute of Construction Technology – Member of New technology review committee
- Korea Infrastructure Safety and Technology Corporation – Member of Architectural and Technical Advisory
- National Railroad Administration – Member of the design advisory commission
- Seoul city Urban Development Corporation - Member of the design advisory commission
- Korean Commercial Arbitration Board – Arbitrator of Arbitration Board

## AWARDS

- Incorporated Association - Korean Society of Steel Construction (Award for best architecture)  
Name of work : Steel Structure of Intercontinental Hotel
- Incorporated Association - Korean Society of Steel Construction (Special Award)  
Name of work : POSCO Center(1996.06.08.)
- Incorporated Association - Korean Society of Steel Construction (Silver Award)  
Name of work : Cheongju International Airport(1998.06.13.)  
Name of work : Bundang Samsung Plaza(1998.06.13.)  
Name of work : Lotte Sky(1998.06.13.)
- Incorporated Association – Technical Division of Architectural Institute of Korea (Academic award) (2002.04.28.)
- Award certificate of The minister of science and technology
- Award the Minister of Construction and Transportation  
2004 Grand prize of Korean architectural culture  
Prize for architect of the year 2004.11.24.

## PUBLICATION

- **Journal papers: International (2011~2018)**

- (1) Park H, Hwang HJ, Lee CH, Park CH, **Lee CN**: Cyclic loading test for concrete-filled U-shaped steel beam-RC column connections, *Engineering Structures*, 36, pp. 325-336, 2012
- (2) Lee CH, Park H, Park CH, Hwang HJ, **Lee CN**, Kim HS, Kim SB: Cyclic Seismic Testing of Composite Concrete-Filled U-Shaped Steel Beam to H-Shaped Column Connections, *Journal of Structural Engineering, ASCE*, 139(3), 2013
- (3) Eom TS, Song JA, Park H, Kim HS, **Lee CN**: Cyclic Loading Test for Beam-Column Connection with Prefabricated Reinforcing Bar Details, *ACI Structural Journal*, 110(3), 2013
- (4) Eom TS, Hwang HJ, Park H, **Lee CN**, Kim HS: Flexural Test for Steel-Concrete Composite Members Using Prefabricated Steel Angles, *Journal of Structural Engineering, ASCE*, 140(4) 2014

- **Journal papers: Domestic (2011~2018)**

- (1) Kim SB, **Lee CN**, Yang JG, Kim SS: Study on the Welding characteristics of High Strength (500MPa) Reinforcing Bar According to Tensile Test, *Journal of the Architectural Institute of Korea Structure & Construction*, 27(1), 2011
- (2) Hwang HJ, Park H, Lee CH, Park CH, **Lee CN**, Kim HS, Kim SB: Seismic Resistance of Concrete-filled U-shaped Steel Beam-to-RC Column Connections, *Journal of Korean Society of Steel Construction*, 23(1), 2011
- (3) Park H, Lee CH, Park CH, Hwang HJ, **Lee CN**, Kim HS, Kim SB: Cyclic Seismic Testing of Concrete-filled U-shaped Steel Beam-to-Steel Column Connections, *Journal of Korean Society of Steel Construction*, 23(3), 2011
- (4) Kim SB, Park DS, Seo DG, Lee YG, **Lee CN**, Kim SS: Performance Evaluation for Weight Reducing Void Deck Plate Inserted Omega Shaped Plate and TSC Composite Beam, *Journal of the Architectural Institute of Korea Structure & Construction*, 27(7), 2011
- (5) Park CH, Lee CH, Park H, Hwang HJ, **Lee CN**, Kim HS, Kim SB: Cyclic Seismic Testing of Cruciform Concrete-Filled U-Shaped Steel Beam-to-H Column Composite Connections, *Journal of Korean Society of Steel Construction*, 23(4), 2011
- (6) Song JA, Park H, **Lee CN**, Eom TS: Earthquake Resistance of Prefabricated Reinforced Concrete Beam-Column Connection, *Journal of the Architectural Institute of Korea Structure & Construction*, 27(10), 2011
- (7) Kim HS, **Lee CN**, Lee SH, Kim BR: Seismic Performance Test of Concrete-filled U-shaped Steel Beam-to-Prefabricated Column Connections, *Journal of the Architectural Institute of Korea Structure & Construction*, 28(4), 2012

- (8) Hwang HJ, Eom TS, Park H, **Lee CN**, Kim HS: Compression Test for Prefabricated Composite Columns Using High-Strength Steel Angles, Journal of Korean Society of Steel Construction, 24(4), 2012
- (9) Eom TS, Hwang HJ, Park H, **Lee CN**, Kim HS: Flexural Test for Prefabricated Composite Columns Using Steel Angle and Reinforcing Bar, Journal of Korean Society of Steel Construction, 24(5), 2012
- (10) Hwang HJ, Eom TS, Park H, **Lee CN**, Kim HS: Cyclic Loading Test for TSC Beam-PSRC Column Connections, Journal of Korean Society of Steel Construction, 25(6), 2013
- (11) Hwang HJ, Eom TS, Park H, **Lee CN**, Kim HS: Cyclic Loading Tests for Prefabricated Composite Columns Using Steel Angle and Reinforcing Bar, Journal of Korean Society of Steel Construction, 25(6), 2013
- (12) Jung JC, **Lee CN**, Lee SH, Kim HS: Seismic Performance Test of TSC Composite Beam to CRC Composite Column Connections, Journal of the Architectural Institute of Korea Structure & Construction, 30(11), 2014
- (13) Lee CH, So HJ, Park CH, **Lee CN**, Lee SH, Oh HN: Flexural Behavior and Design of Concrete-filled U-shape Hybrid Composite Beams Fabricated from 570MPa High-strength Steel, Journal of Korean Society of Steel Construction, 28(2), 2016
- (14) Lim JJ, Kim DG, Lee SH, **Lee CN**, Eom TS: Cyclic Loading Tests of Concrete-Filled Composite Beam-Column Connections with Hybrid Moment Connections, Journal of Korean Society of Steel Construction, 28(5), 2016
- (15) Lim JJ, Kim DG, Lee SH, Park CS, **Lee CN**, Eom TS: Seismic Tests of Steel Beam-to-Column Moment Connections with Inclined End-plate Beam Splice, Journal of Korean Society of Steel Construction, 29(2), 2017

- **Magazine: Domestic (2011~2018)**

- (1) Kim SB, Park H, Lee CH, Kim SS, **Lee CN**: Seismic Resistance of TSC Composite Beam to Columns Connections, Magazine of Korean Society of Steel Construction, 23(2), 2011
- (2) **Lee CN**, Kim BR: Introduction of U-shaped Composite Beam, Computational Structural Engineering Institute of Korea, 24(2), 2011.
- (3) **Lee CN**, Kim HS, Eom TS, Park H, Lee SH: Pre-Fabricated Reinforced Concrete (PRC) Construction Method Using Welded Re-Bar, Magazine of the Korea Concrete Institute, 23(6), 2011.
- (4) Kim HS, **Lee CN**, Eom TS, Park H, Lee SW: Pre-Fabricated Steel Reinforced Concrete (PSRC) Construction Method Using Angles, Magazine of Korean Society of Steel Construction, 23(6), 2011
- (5) Park CH, Lee CH, Park H, Hwang HJ, **Lee CN**, Kim HS, Kim SB: Cyclic Seismic Testing of Cruciform Concrete-Filled U-Shape Steel Beam-to-H Column Composite Connections, Magazine of Korean Society of Steel Construction, 23(4), 2011

- (6) Kim HS, **Lee CN**, Lee SH: Field Applicability Evaluation of Pre-fabricated SRC Method, Magazine of Korean Society of Steel Construction, 12(3), 2012
- (7) Hwang HJ, Eom TS, Park H, **Lee CN**, Kim HS: Compression Test for Prefabricated Composite Columns Using High-Strength Steel Angles, Magazine of Korean Society of Steel Construction, 24(4), 2012
- (8) Eom TS, Hwang HJ, Park H, **Lee CN**, Kim HS: Flexural Test for Prefabricated Composite Columns Using Steel Angle and Reinforcing Bar, Magazine of Korean Society of Steel Construction, 24(5), 2012
- (9) **Lee CN**, Kim HS, Oh GW: Introduction of Pressure Penetrating Pipe Pile, Journal of the Korea Institute of Building Construction, 14(4), 2014
- (10) **Lee CN**, Oh GW: [NEW TECHNOLOGY INTRODUCTION] Introduction of Pressure Penetrating Pipe Pile, Journal of the Korea Institute of Building Construction, 14(4), 2014

- **Books (written by Korean)**

- (1) “Building Structure: from Root to Buds”, Volume I~III, Kimoondang, Seoul, 1997
- (2) “Building Structure: from Buds to Fruits” Volume I, Kimoondang, Seoul, 2002
- (3) “Building Structure: Worm-rotten Fruits” Volume I, Kimoondang, Seoul, 2002