CURRICULUM VITAE

**1. PERSONAL**

**Name in Full** Jae-Yeol Cho

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**Current Position** Professor

Dept. of Civil & Environmental Engineering, Seoul National University

 Director, Extreme Performance Testing Center

**2. EDUCATION**

2001 Ph.D. Dept. of Civil Engineering, Seoul National University, Korea

1995 M.S. Dept. of Civil Engineering, Seoul National University, Korea

1993 B.S. Dept. of Civil Engineering, Seoul National University, Korea

**3. PROFESSIONAL EXPERIENCE**

2023 – present Dean, SNU Dept. of Civil & Environmental Engineering

2023 – present Board Director, SNU R&DB Foundation

2022 Conductor, SNU Advanced Industrial Strategy Program (AIP)

2021 – present Director, Core Research Support Center (designated by Ministry of Education)

2019 – 2021 Associate Head, SNU R&DB Foundation

2019 – 2021 Associate Head, SNU Entrepreneurship Center

2018 – 2019 Deputy Chair, Dept. of Civil & Environmental Engineering

2017 Visiting Professor, Hokkaido University, Japan (2 months)

2017 – present Professor, Seoul National University

2015 – present Director, Extreme Performance Testing Center

2014 – 2016 Deputy Chair, Dept. of Civil & Environmental Engineering

2012 – 2017 Associate Professor, Seoul National University

2010 Visiting Professor, Georgia Institute of Technology, USA (6 months)

2007 – 2012 Assistant Professor, Seoul National University

2005 – 2007 Manager, Samsung Engineering & Construction Co.

2002 – 2005 Post-Doctoral Fellow, Dept. of Civil & Environmental Engineering,

University of Wisconsin-Madison, USA

2001 – 2005 Senior Researcher, Research Institute of Engineering Science,

 Seoul National University

1997 – 2003 Technical Research Personnel, Military Service Exception

1997 – 1998 Part-time Lecturer, Hankyung National University

1993 – 2001 Research Assistant, Department of Civil Engineering

 Seoul National University

1993 – 1994 Teaching Assistant, Department of Civil Engineering

Seoul National University

**4. TEACHING**

**Undergraduate Courses** 457.305 Theory of Reinforced Concrete and Lab.1

 457.306 Theory of Reinforced Concrete and Lab.2

 400.313 Field Applications of Engineering Knowledge

**Graduate Courses** 457.650 Advanced Reinforced Concrete Design

 457.651 Advanced Reinforced Concrete Mechanics

 457.644 Advanced Bridge Engineering (Composite Structures**)**

**5. AREAS OF RESEARCH INTERESTS**

**New Materials** Application of FRP to strengthen the existing structures

 Application of high strength (~700 MPa) rebars

 for bridge structures, nuclear power plant buildings

 Application high strength (~2,400 MPa) tendons

 for bridge structures

 Application of macro steel fiber as a structural component

**New Construction Tech.** Development of optimal connections of hybrid bridges

 Preassembly of coping reinforcement for the accelerated construction

**Experimental Techniques** Development of asimilitude law to enhance the shaking table test

 and pseudo-dynamic test

 Review and verification of complicated experimental works

 Measurement of tendon strain in PSC members

 Measurement of corrosion of prestressing tendon

**Extreme Loads**  Analysis and design of RC/PSC structure subjected to impact/impulsive loading

 Vehicle/aircraft/missiles collision, falling rocks, etc.

 Dynamic performance of RC/PSC structures under high and low temperature

**Code Validation/Change** All the above research interests and activities eventually aims at the validation and

 implication of structural concrete design codes

**6. PROFESSIONAL AFFILIATIONS**

2023 – present Member, National Academy of Engineering of Korea

2021 – present Editor-in-Chief, International Journal of Concrete Structures and Materials (IJCSM)

2020 – present Land and Housing Institute (LHI) Journal

Member of Editorial Board

2016 – 2017 KSCE Representative, Asian Civil Engineering Coordination Council (ACECC); LOC Chair, CECAR10 (2025)

2013 – 2015 Associate Editor, KRI Journal

2011 – present Member, Korean Institute of Bridge and Structural Engineers (KIBSE)

 Chair, Korean Highway Bridge Design Code Committee (2015-2021)

 Chair, Concrete Bridge Subcommittee (2021-2023)

 Secretary, Concrete Bridge Subcommittee (2015-2021)

2010 – present Korean Society for Railway (KSR)

 Member of Board of Directors (2014-present)

 Member of Board of Directors (2010)

2009 – present Committee Member , ISO/TC 71/SC 4

2008 – present Member, Federation Internationale du Beton (FIB)

 Member, WG 2.4.2 Modelling of Fibre Reinf. Conc. Structures (2016-present)

 Member of Korea Representative, TG 10.1 Model Code 2020 (2017-present)

2007 – present Member, American Society of Civil Engineers (ASCE)

2007 – present Member, International Association for Bridge and Structural Engineering (IABSE)

 Fellow (2017-present)

2005 – 2008 Member, Korea institute for Structural Maintenance and Inspection (KSMI)

2002 – present Member, American Concrete Institute (ACI)

 Member, Committee 349, 359, 370 Assoc.

1999 – present Member, Korea Concrete Institute (KCI)

Vice-President (in charge of planning and finance) (2025-present)

Chair, KCI English Journal Editorial Board (2021-2024)

Vice-Chair, Structural Design Code Committee (2021-present)

Chair, Planning & Operation Committee (2019-2020)

Chair, KCI 102 Flexure-Compression Committee (2019-2022)

Member of Board of Directors (2013-2016, 2019-present)

Chair, Strategy Committee (2019-2020)

Member, KCI Design Code Committee (2016-present)

Associate Editor, KCI Magazine (2013-2014)

Representative Member (2009-present)

Secretary, KIC ISO Committee SC4 (2009-present)

Secretary, KCI Journal Editorial Board (2009-2010)

Member of Board of Directors, KCI Journal Editorial Board (2007-2012)

1999 – present Member, Korean Society of Civil Engineers (KSCE)

Vice-President (in charge of international) (2024)

 Vice-President (in charge of planning) (2023)

Chair, Planning Committee (2022-present)

 Chair, KSCE Convention Organizing Committee (2021)

 Council Member (2020-present)

 Chair, Civil Engineer’s Day Organizing Committee (2018)

 Member of Board of Directors (2016-present)

 Chair, International Affairs Committee (2016-2017)

 Associate Editor, KSCE J. of Civil Engr. (2009-2020)

 KSCE Convention Organizing Committee

 Member (2008, 2009, 2011, 2012, 2014, 2015, 2016, 2017)

 Subcommittee Chair (2013, 2016, 2017, 2021)

 KSCE Magazine Editorial Board (2013-2014)

1992 FE, Korea Civil Engineering

**7. PUBLIC SERVICES**

2025 – present Civilian Member of Evaluation of National Land Plans Subcommittee, 7th National

Land Policy Committee under the Prime Minister

2024 – present Member of Field Planning Advisory Committee, Basic Research in Science &

Engineering Headquarter, National Research Foundation of Korea (NRF)

2023 – present Expert Committee Member in fields of Construction/Transportation/Structures/

Material, Division of Engineering, Basic Research in Science & Engineering

Headquarter, National Research

Foundation of Korea (NRF)

2023 – present Member of Business Management Committee, Ministry of Science and ICT, National research Facilities & Equipment Center

2023 – present Member of Republic of Korea Airforce (ROKAF) Policy Development Advisory

Committee

2022 – present Member of Research Advisory Committee, The Seoul Institute

2021 – present Member of Construction Standards Committee, Korea Construction Standards Center

2017 – present Member of the National Standard (KS) Technology Council for Construction,

Ministry of Land, Infrastructures and Transport

2014 – 2015 Member of Public Debate Committee of Spent Nuclear Fuel, Prime Minister’s office

2014 Member of The Four Major Rivers Project Inspection Research Organization, Prime

Minister’s office

2013 Member of Recruitment Committee of Legislative Research Office, Korea National

Assembly

2011 – present Member of Civil Engr. Tech. Advisory Committee, Korea National Assembly

2008 – present Member of Professional Advisory Committee of Urban Infrastructure Headquarters,

Seoul Metropolitan Government

**8. INTERNATIONAL REVIEW AND CONFERENCE ACTIVITIES**

**Paper Reviews** ACI Materials Journal, ACI Structural Journal, ASCE Journal of Structural Engineering, Engineering Structures, Journal of Building Engineering, International Journal of Concrete Structures and Materials, Construction and Building Materials, Cement and Concrete Composite, KSCE Journal of Civil Engineering - over 30 papers

**Editorial Board** KSCE Journal of Civil Engineering (2009-2020)

 International Journal of Concrete Structures and Materials (2021-present)

**Member of SC/OC** International Association of Bridge and Structural Engineers (IABSE) Symposium, Vancouver, Canada, 2017; Structural Mechanics in Reactor Technology (SMiRT 24), Busan, Korea, 2016; Civil Engineering Conference in the Asian Region (CECAR 7), Hawaii, the United States, 2016; International Corrosion Congress, Jeju, Korea, 2014; International Conference on Computational & Experimental Engineering and Sciences (ICCES14), Changwon, Korea, 2014; International Association of Bridge and Structural Engineers (IABSE) 18th Congress, Seoul, Korea, 2012; KCI-JCI-TCI Trilateral Symposium, Seoul, Korea, 2009; International Conference on Bridge Maintenance, Safety and Management (IABMAS’08), Seoul, Korea, 2008;

**9. AWARDS AND HONORS**

2023 KCI Moon Ho Academic Award

2022 Best Paper Award (at KSCE Conference)

2020 KCI International Activity Award

2019 KSCE Academic Award

2018 ACI Chester Paul Siess Award

2017 Sinyang Outstanding Young Professor Award, SNU

2017 Commendation from MOLIT Minister

2016 KCI Best Journal Paper Award

2022, 2021, 2019, Best Paper Award (at KCI Annual Conference)

2018, 2016, 2015, 2002

2015, 2023, 2024 Best Paper Award (at KIBSE Conference)

2014 3rd place at Structural Test Contest (from KAIA)

2014 Best Paper Award (at ACF Conference)

2003 Post-Doc Fellowship (from KOSEF)

2000 Post-Graduate Scholarship (from Seoul Nat’l Univ. Alumni)

1996, 1995 Graduate Scholarship (from Seoul Nat’l Univ. Alumni)

1993 Teaching Assistant Scholarship (from Seoul Nat’l Univ.)

1990 Undergraduate Scholarship (from Seoul Nat’l Univ.)

**10. TECHNICAL PUBLICATIONS**

###### *Refereed Papers* (underlined is corresponding author)

1. B.-H. Oh, J.-Y. Cho, D.-O. Kang, “Structural Behavior of RC Beams Strengthened with Steel Plates”, *Journal of the Korea Concrete Institute*, 9-5: 233-244, Oct. 1997. (in Korean)
2. B.-H. Oh, J.-Y. Cho, D.-O. Kang, “Prediction of Separation Load and Failure Mechanism of Reinforced Concrete Beams Strengthened with Steel Plates”, *Journal of the Korea Concrete Institute*, 9-6: 243-254, Dec. 1997. (in Korean)
3. B.-H. Oh, J.-Y. Cho, H.-K. Song, “An Experimental Study on the Effects of Early-age Vibrations for Properties of Concrete”, *Journal of the Korea Concrete Institute*, 10-5: 81-87, Oct. 1998. (in Korean)
4. J.-Y. Cho, “Behavior and Analysis of R/C Beams Strengthened with Externally Bonded Plates for Flexure and Shear”, *KSCE*, *Journal of Civil Engineering*, 2001.
5. B.-H. Oh, J.-Y. Cho, S.-W. Cha, “Failure Behavior and Separation Criterion for Strengthened Concrete Members with Steel Plates”, *Journal of the Korea Concrete Institute*,14-1: 126-135, Feb. 2002. (in Korean)
6. **B.-H. Oh, J.-Y. Cho, S.-W. Cha, “Static and Fatigue Behavior of RC Beams Strengthened with Steel Plates”, *International Journal of Concrete Structures and Materials*,14-1: 51-60, Mar. 2002.**
7. J.-Y. Cho, N.-S. Kim, N.-S. Cho, I.-K. Choi, “Cracking Behavior of the Containment Wall of Nuclear Power Plant Reactor”, *Journal of the Korea Concrete Institute*, 15-1: 60-68, Feb. 2003. (in Korean)
8. J.-Y. Cho, N.-S. Kim, N.-S. Cho, Y.-S. Choun, “Constitutive Law of Reinforced Concrete Subjected to Biaxial Tension”, *Journal of the Korea Concrete Institute*, 15-1: 69-77, Feb. 2003. (in Korean)
9. **B.-H. Oh, J.-Y. Cho, D.-G. Park, “Static and Fatigue Behavior of RC Beams Strengthened with Steel Plates for Flexure”, *ASCE*, *Journal of Structural Engineering*, 129-4: 527-535, Apr. 2003.**
10. **B.-H. Oh, J.-Y. Cho, D.-G. Park, “Failure Behavior and Separation Criterion for Strengthened Concrete Members with Steel Plates”, *ASCE*, *Journal of Structural Engineering*, 129-9: 1191-1198, Sep. 2003.**
11. **J.-Y. Cho, N.-S. Kim, N.-S. Cho, I.-K. Choi, “Cracking Behavior of Reinforced Concrete Panel Subjected to Biaxial Tension”, *ACI Structural Journal*, 101-9: 76-84, Jan. 2004.**
12. **J.-Y. Cho, N.-S. Kim, N.-S. Cho, Y.-S. Choun, “Stress-Strain Relationship of Reinforced Concrete Subjected to Biaxial Tension”, *ACI Structural Journal*, 101-2: 202-207, Mar. 2004.**
13. **J.-Y. Cho, J. A. Pincheira, “Inelastic Analysis of Reinforced Concrete Columns with Short Lap Splices Subjected to Reversed Cyclic Loads”, *ACI Structural Journal*, 103-2: 280-290, Mar. 2006.**
14. J.-B. Park, J.-I. Park, S.-P. Chang, J.-Y. Cho, “Estimation Method of Creep Coefficient in Concrete Structures”, *Journal of the Korea Concrete Institute*, 21-5: 619-628, Oct. 2009. (in Korean)
15. S.-W. Choi, I.-H. Kim, J.-Y. Cho, S.-P. Chang, “An Analytical Study for Structural Behaviors of Unbonded Precast Rectangular Hollow Section Concrete Piers”, *KSCE*, *Journal of Civil Engineering*, 30-1A: 61-69, Jan. 2010. (in Korean)
16. **S.-C. Lee, J.-Y. Cho, B.-H. Oh, “Shear Behavior of Large-Scale Post-Tensioned Girders with Small Shear Span-Depth Ratio”, *ACI Structural Journal*, 107-2: 137-145, Mar. 2010.**
17. D.K. Lee, J.-Y. Cho, “Similitude Law on Material Non-linearity for Seismic Performance Evaluation of RC Columns”, *Journal of the Korea Concrete Institute*, 22-3: 409-417, Jun. 2010. (in Korean)
18. S.-C. Lee, J.-H. Kim, J.-Y. Cho, G.-J. Shin, “Tension Stiffening of Reinforced High Performance Fiber Reinforced Cementitious Composites (HPFRCC)”, *Journal of the Korea Concrete Institute*, 22-6: 859-866, Dec. 2010. (in Korean)
19. **S.-C. Lee, J.-Y. Cho, B.-H. Oh, “Discussion: Shear Behavior of Large-Scale Post-Tensioned Girders w ith Small Shear Span-Depth Ratio”, *ACI Structural Journal*, D108-S02: 116-118, Mar. 2011.**
20. **K.-S. Chung, J.-Y. Cho, J.-I. Park, S.-P. Chang, “Three-Dimensional Elastic Catenary Cable Element Considering Sliding Effect”, *ASCE*, *Journal of Engineering Mechanics*,137-4: 276-283, Apr. 2011.**
21. G.-J. Shin, J.-H. Kim, J.-Y. Cho, S.-C. Lee, “Flexural Behavior of High Performance Fiber Reinforced Cementitious Composites (HPFRCC) Beams with a Reinforcing Bar”, *Journal of the Korea Concrete Institute*, 23-2: 169-176, Apr. 2011. (in Korean)
22. **S.-C. Lee, J.-Y. Cho, F. J. Vecchio, “Model for Post-Yield Tension Stiffening and Rebar Rupture in Concrete Members”, *Engineering Structures*, 33: 1723-1733, May. 2011.**
23. **S.-C. Lee, J.-Y. Cho, F. J. Vecchio, “Diverse Embedment Model for Steel Fiber Reinforced Concrete in Tension: Model Development”, *ACI Materials Journal*, 108-5: 516-525, Sep. 2011.**
24. **S.-C. Lee, J.-Y. Cho, F. J. Vecchio, “Diverse Embedment Model for Steel Fiber Reinforced Concrete in Tension: Model Verification”, *ACI Materials Journal*, 108-5: 526-535, Sep. 2011.**
25. **J.-B. Park, J.-I. Park, J.-Y. Cho, “Estimation of Error Factors in Concrete Cable-Stayed Structure with Sensitivity of Creep”, *ASCE*, *Journal of Structural Engineering*,137-12: 1451-1459, Dec. 2011.**
26. **H. Park, Z.U. Din, J.-Y. Cho, “Methodological Aspects in the Measurement of Strand Transfer Length in Pretensioned Concrete”, *ACI Structural Journal*, 109-5: 625-633, Sep. 2012.**
27. H. Park, J.-Y. Cho, J.S Kim, “Investigation on Applicability of 2,400 MPa Strand for Post-tensioned Prestressed Concrete Girders”, *Journal of the Korea Concrete Institute*, 24-6: 727-736, Dec. 2012. (in Korean)
28. **B.-S. Park, S.-H. Park, J.-Y. Cho, “A Pre-assembly Method of Steel Reinforcement to Improve the Constructability of Pier Coping”, *Engineering Structures*, 48: 166-175, Mar. 2013.**
29. **S.-C. Lee, J.-Y. Cho, F. J. Vecchio, “Tension Stiffening Model for Steel Fiber Reinforced Concrete Containing Conventional Reinforcement”, *ACI Structural Journal*, 110-4: 639-648, Jul. 2013.**
30. **H. Park, Z.U. Din, J.-Y. Cho, “Discussion: Methodological Aspects in the Measurement of Strand Transfer Length in Pretensioned Concrete”, *ACI Structural Journal*, D110-S04: 703-708, Jul. 2013.**
31. **S.-C. Lee, J.-Y. Cho, F. J. Vecchio, “Simplified Diverse Embedment Model for SFRC Elements in Tension”, *ACI Materials Journal*, 110-4: 403-412, Jul. 2013.**
32. **B. Park, S.Y. Jang, J.-Y. Cho, J.Y. Kim, “A Novel Short-Term Immersion Test to Determine the Chloride Ion Diffusion Coefficient of Cementitious Materials”, *Construction and Building Materials*, 57: 169-178, Apr. 2014.**
33. **H. Park, J.-Y. Cho, “Bond-Slip-Strain Relationship in Transfer Zone of Pretensioned Concrete Elements”, *ACI Structural Journal*, 111-3: 503-513, May 2014.**
34. **S-C Lee, J-Y Cho, F.J. Vecchio, “Discussion: Tension Stiffening Model for Steel Fiber Reinforced Concrete Containing Conventional Reinforcement”, *ACI Structural Journal*, D111-S03: 717-720, May 2014.**
35. S.-C. Lee, J.-H. Oh, J.-Y. Cho, “Fiber Orientation Factor on a Circular Cross-Section in Concrete Members”, *Journal of the Korea Concrete Institute*, 26-3: 307-313, Jun. 2014. (in Korean)
36. **H. Park, J-Y Cho, “Discussion: Bond-Slip-Strain Relationship in Transfer Zone of Pretensioned Concrete Elements”, *ACI Structural Journal*, D112-2: 233-235, Mar. 2015.**
37. **S.-C. Lee, J.-H. Oh, J.-Y. Cho, “Compressive Behavior of Fiber Reinforced Concrete with End-Hooked Steel Fibers”, *Materials*, 8: 1442-1458, Mar. 2015.**
38. **P. Mahrenholtz, J.-M. Park, J.-Y. Cho, “Monotonic and Cyclic Behaviour of Isolated FRP Anchors Loaded in Shear”, *Composites Part B: Engineering*, 72: 72-79, Apr. 2015.**
39. J.-H. Cheon, D.-J. Seong, H.-J. Cho, J.-Y. Cho, H.-M. Shin, “Nonlinear Finite Element Analysis of the Reinforced Concrete Panel using High-Strength Reinforcing Bar”, *Journal of the Korea Concrete Institute*, 27-5: 481-488, Oct. 2015. (in Korean)
40. **S.-C. Lee, J.-H. Oh, J-Y Cho, “Fiber Orientation Factor on Rectangular Cross-Section in Concrete Members”, *International Journal of Engineering and Technology*, 7-6: 470-473, Dec. 2015.**
41. **S.-C. Lee, J.-Y. Cho, F. J. Vecchio, “Analysis of Steel Fiber-Reinforced Concrete Elements Subjected to Shear”, *ACI Structural Journal*, 113-S25: 275-285, Mar. 2016.**
42. **H. Park, S. Jeong, S.-C. Lee, J.-Y. Cho, “Flexural Behavior of Post-tensioned Prestressed Concrete Girders with High-Strength Strands”, *Engineering Structures*, 112: 90-99, Apr. 2016.**
43. **S.-C. Lee, J.-H. Oh, J.-Y. Cho, “Fiber Efficiency in SFRC Members Subjected to Uniaxial Tension”, *Construction and Building Materials*, 113-15: 479-487, Jun. 2016.**
44. **G.T. Proestos, G.-M. Bae, J.-Y. Cho, E.C. Bentz, and M. P. Collins, “Influence of High-Strength Bars on Shear Response of Containment Walls”, *ACI Structural Journal*, 113-5: 917-927, Sep. 2016.**
45. **H. Park, J-Y Cho, “Ductility Analysis of PSC Members with High-Strength Strands and Code Implication”, *ACI Structural Journal*, 114-2: 407-415, Mar. 2017.**
46. D.U. Park, B.G. Jeon, N.S. Kim, J-M Park, J-Y Cho, “Fragility Analysis of A Scaled Model of Reinforced Concrete Column in Accordance with Similitude Law”, *Journal of the Earthquake Engineering Society of Korea*, 21-2: 87-93, Mar. 2017. (in Korean)
47. **J.-H. Park, H. Park, J.-Y. Cho, “Prediction of Stress in Bonded Strands at Flexural Strength”, *ACI Structural Journal*, 114-3: 697-705, May. 2017.**
48. **S. Lee, K.-M. Kim, J.-M. Park, J.-Y. Cho, “Pure Rate Effect on the Concrete Compressive Strength in the Split Hopkinson Pressure Bar Test”, *International Journal of Impact Engineering*, 113: 191-202, Mar. 2018.**
49. M. Kim, J.-Y. Cho, H.-J. Lee, “Minimum Reinforcement Specifications for Flexural Reinforcement Concrete Members”, *Journal of the Korea Concrete Institute*, 30-2: 179-187, Apr. 2018. (in Korean)
50. **K.-M. Kim, S. Lee, J.-Y. Cho, “Effect of Maximum Coarse Aggregate Size on Dynamic Compressive Strength of High-strength Concrete”, *International Journal of Impact Engineering*, 125: 107-116, Mar. 2019.**
51. J.-H. Lee, J.-Y. Cho, “Analysis of Safety Evaluation Guidelines for Practical Maintenance of Existing Concrete Structures”, *LHI Journal*, 11-3: 83-92, Oct. 2020. (in Korean)
52. **S. Lee, C. Kim, Y. Yu, J.-Y. Cho, “Effect of Reinforcing Steel on the Impact Resistance of Reinforced Concrete Panel Subjected to Hard-Projectile Impact”, *International Journal of Impact Engineering*, 148: 103762, Feb. 2021.**
53. **Y. Yu, S. Lee, J.-Y. Cho, “Deflection of Reinforced Concrete Beam Under Low-Velocity Impact Loads”, *International Journal of Impact Engineering*, 154: 103878, Aug. 2021.**
54. **K.-M. Kim, S. Lee, J.-Y. Cho, "Influence of Friction on the Dynamic Increase Factor of Concrete Compressive Strength in a Split Hopkinson Pressure Bar Test", Cement and Concrete Composites, 129: 104517, May. 2022.**
55. **H.-W. Noh, V.D. Truong, J.-Y. Cho, D.-J. Kim. “Dynamic Increase Factors for Fiber-Reinforced Cement Composites: A Review”, *Journal of Building Engineering*, 56: 104749, Sep. 2022.**
56. **J.-H. Park, S.-C. Lee, J.-Y. Cho, “Scaled Model Test for Efficient Arrangement of Steel Reinforcement in Bridge Pier Caps”, Journal of Bridge Engineering, 27-9: 04022072, Sep. 2022.**
57. **Y. Yu, S. Lee, H.-J. Ahn, J.-Y. Cho, “Residual Performance of Reinforced Concrete Beams Damaged by Low-Velocity Impact Loading”, *ASCE*, Journal of Structural Engineering, 149(3): 04022267, Mar. 2023.**
58. **J.-H. Park, S.-C. Lee, J.-Y. Cho, “Influence of Sectional Depth on Structural Behavior of Bridge Pier Caps” *ASCE*, *Journal of Bridge Engineering*, 28-7: 04023036, Apr. 2023.**
59. **K.-M. Kim, S. Lee, Y. Yu, J. –Y. Cho, “Requirements of specimen dimension considering maximum coarse aggregate size for concrete split Hopkinson pressure bar test”, *Construction and Building Materials*, 383: 131359, Jun. 2023.**
60. **H.-W. Noh, S. Lee, J.-Y. Cho, D. J. Kim, “Investigating Dynamic Compressive Strength of Concrete by Using High-Rate Hydraulic Universal Testing Machine”, *Construction and Building Materials*, 411: 134402, Jan. 2024.**
61. **S. Lee, H.S. Lee, K.-M. Kim, Y. Yu, J.-Y. Cho, “Strain-Rate Effect on the Bond Strength between Concrete and Reinforcing Bars in Dynamic Pull-out Tests”, *Engineering Structures*, 303: 117498, Mar. 2024.**
62. **S. Lee, K.-M. Kim, H. Ahn, Y. Yu, J.-Y. Cho, “Dynamic Increase Factor of Concrete Compressive Strength in Confined Split Hopkinson Pressure Bar Tests”, *Construction and Building Materials,* 441:137535, Aug. 2024.**
63. J.-M. Park, S.-C. Lee, Y. Chae, J.-Y. Cho, "A Novel Similitude Law for Testing Scaled RC Structures", *KSCE Journal of Civil Engineering*, submitted in 2023.
64. **H. Ahn, B.-K. Chun, J. Ye, Y. Yu, D.-Y. Yoo, J.-Y. Cho,** **"Guidelines for Measuring Impact Forces in Drop-Weight Impact Test on Concrete Members", *Measurement*, submitted in 2024.**
65. **H. Ahn, K.-M. Kim, S. Lee, Y. Yu, J.-Y. Cho, "Dynamic Behaviors of Concrete and Mortar Specimens under the High-Rate Loading: Material- and Member-level Investigations", in preparation.**
66. **H. Ahn, S. Lee, J. Ye, Y. Yu, J.-Y. Cho, "Dynamic Tensile Behavior of Reinforcing Steel Subjected to High Rate Loadings", in preparation.**
67. **H. Ahn, Y. Yu, S. Lee, J.-Y. Cho, "Influence of Flexural Stiffness on the Maximum Deflection of Reinforced Concrete Beams Subjected to Low-Velocity Impact Loads", in preparation.**
68. **J.-H. Lee, M. Kim, J.-Y. Cho, "Efficacy of Safety Assessment Practice in Korea for an Existing Concrete Bridge: Experimental Analysis on Decommissioned Members", in preparation.**
69. **J.-H. Lee, M. Kim, J.-Y. Cho, "Structural Capacity of the Aged Concrete Bridges Based on Tests with Decommissioned Bridge Members", in preparation.**
70. **J.-H. Lee, M. Kim, J.-Y. Cho, "Verification of the Concrete Bridge Evaluation Efficiency in Korea", in preparation.**
71. **J.-H. Park, H. Ahn, Y. Yu, J.-Y. Cho, "Experimental Study on Tunnel Segment Behavior under Various Loading Conditions Considering Axial Force", in preparation.**
72. **J.-H. Park, H. Ahn, Y. Yu, J.-Y. Cho, "Tunnel Segment Behavior Subjected to Combined Various Moments and Axial Force", in preparation.**

###### *Conference Proceedings*

1. B.-H. Oh, J.-Y. Cho, S.-H. Han, S.-G. Lee, “The Residual Strength of Concrete Exposed to High Temperature”, *Proceedings of the Korean Society of Civil Engineers*, 461-464, 1994.
2. B.-H. Oh, J.-Y. Cho, S.-H. Han, “An Experimental Study on the Residual Compressive Strength Characteristics of Concrete Exposed to High Temperature”, *Proceedings of the Korea Concrete Institute*, 6-2: 285-290, 1994.
3. B.-H. Oh, J.-Y. Cho, S.-H. Han, “Effects of High Temperature on the Compressive Strength of Concrete”, *Proceedings of Korea Nuclear Society*, 1995.
4. B.-H. Oh, J.-Y. Cho, B.-C. Lee, I.-H. Yang, S.-W. Yoo, “Mechanical Behavior of Fiber Reinforced Polymer Concrete”, *Proceedings of KSCM & KFS-3 on Textile Composites in Building Construction*, Seoul, Korea, Nov.7-9, 1996.
5. B.-H. Oh, J.-Y. Cho, S.-W. Cha, D.-O. Kang, “A Basic Study on Structural Behavior of Strengthened RC beams”, *Proceedings of the Korea Concrete Institute*, 8-1: 258-263, 1996.
6. B.-H. Oh, J.-Y. Cho, D.-O. Kang, “Structural Behavior of Strengthened RC Beams”, *Proceedings of the Korea Concrete Institute*, 8-2: 501-507, 1996.
7. B.-H. Oh, J.-Y. Cho, D.-O. Kang, "A Study on the Evaluation of Separation Load of Steel Plated RC Beams”, *Proceedings of Korea Institute for Structural Maintenance Inspection*, 1-1: 209-214, 1997.
8. B.-H. Oh, J.-Y. Cho, D.-O. Kang, S.-T. Chai, M.-G. Lee, “Structural Behavior of Steel Plated Reinforced Concrete Beams”, *Proceedings of the Korea Concrete Institute*, 9-1: 598-604, 1997.
9. B.-H. Oh, S.-H. Han, Y. Yoo, J.-Y. Cho, “Shear Damage Behavior of Reinforced Concrete Beams under Repetitive Fatigue Loadings”, *Proceedings of the Korea Concrete Institute*, 9-2: 633-638, 1997.
10. B.-H. Oh, J.-Y. Cho, H.-G. Song, “A Study on the Effects of Vibration on the Curing Concrete”, *Proceedings of the Korea Concrete Institute*, 10-1: 531-537, 1998.
11. B.-H. Oh, J.-Y. Cho, H.-G. Song, “Effects of Vibration on Curing Concrete”, *Proceedings of Korea Institute for Structural Maintenance Inspection*, 2-1: 315-320, 1998.
12. S.-H. Han, J.-Y. Cho, H.-J. Lee, B.-H. Oh, “Methodological Effects on the Flexural Toughness of Steel Fiber Reinforced Concrete”, *Proceedings of the Korea Concrete Institute*, 10-2: 380-385, 1998.
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