

CURRICULUM VITAE

1. PERSONAL

Name in Full	Jae-Yeol Cho
Mailing Address	35-312 Seoul National University 1 Gwanak-ro, Gwanak-gu Seoul 08826, Republic of Korea
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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 – 2025	Dean, SNU Dept. of Civil & Environmental Engineering
2023 – 2025	Director, BK21 Education and Research Group, SNU Dept. of Civil & Environmental Engineering
2023 – 2025	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 a similitude 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 – 2024	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) Chair, KCI Concrete Policy Committee (2026-present) 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) Chair, KSCE Mid- and Long- Term Strategy Committee, (2026-present) Chair, CECAR10 Local Organizing Committee (LOC) (2025-present) 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

2026 - present	Senior Director of Korea Construction Engineering and Transport Development Collaboratory Management Institute (KOCED)
2026 - present	Member of Fiscal Project Outcome Evaluation Committee, Ministry of Planning and Budget
2025 - present	Civilian Member of Fiscal Project Evaluation Committee, Ministry of Economy and finance
2025 – present	Civilian Member of Evaluation of National Land Plans Subcommittee, 7 th 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 – 2012	Member of Civil Engr. Tech. Advisory Committee, Korea National Assembly
2008 – 2009	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

2024	Lee Byong-Ho Outstanding Teaching Award, SNU College of Engineering
2023	KCI Moon Ho Academic Award
2025, 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
2025, 2022, 2021, 2019, 2018, 2016, 2015, 2002	Best Paper Award (at KCI Annual Conference)
2025, 2024, 2023 2015	Best Paper Award (at KIBSE Conference)
2014	3 rd 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 with 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 Copping", *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. 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. N. Oh, J. Ye, H. Ahn, J.-Y. Cho, "Material Modeling for Concrete Structures Subjected to High Strain Rate Deformation", *ACI, Special Publication on Modeling and Performance Assessment of Concrete Structures*, 365: 50-78, Mar. 2025.
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*, 253:117601, Apr. 2025.
65. J.-M. Park, S.-C. Lee, Y. Chae, J.-Y. Cho, "A New Similitude Law for Testing Scaled RC Structures", *Scientific Reports*, 15-1: 22037, Jul. 2025.
66. B.-K. Chun, H. Ahn, J.-Y. Cho, D.-Y. Yoo, "Enhancement of flexural performance of RC slabs under impact loading using ultra-high-performance fiber-reinforced concrete", *Journal of Building Engineering*, 111:113378, Oct. 2025.
67. 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", *Journal of Building Engineering*, 113:114111, Nov. 2025.
68. H. Ahn, J.-H. Park, Y. Yu, J.-Y. Cho, "Flexural Behavior of Curved-Bolt Jointed Tunnel Segments under Combined Axial Force and Bending Moments", *International Journal of Concrete Structures and Materials*, 19:115, Nov. 2025.
69. J.-L. An, J.-Y. Cho, J. Choi, "Influence of Combined Freeze-thaw Cycles and Seawater Saturation on the Flexure Behavior of Reinforced Concrete Beams", *Structures*, 82:110677, Dec. 2025.
70. H. Ahn, Y. Yu, S. Lee, J.-Y. Cho, "Machine Learning Model Incorporating Domain Knowledge for Predicting Maximum Deflection of Reinforced Concrete Beams under Low-Velocity Impact", *International Journal of Impact Engineering*, 207:105483, Jan. 2026.
71. J. Ye, H. Ahn, Y. Yu, J.-Y. Cho, "Influence of Rebar Configuration and Steel Liner Detailing on the Local Impact Response of Reinforced Concrete Panels", *International Journal of Impact Engineering*, 208:105554, Feb. 2026.
72. H. Ahn, S. Lee, J. Ye, Y. Yu, J.-Y. Cho, "Dynamic Tensile Behavior of Reinforcing Steel Subjected to High Rate Loadings", in preparation.
73. 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.
74. J.-H. Lee, M. Kim, J.-Y. Cho, "Structural Capacity of the Aged Concrete Bridges Based on Tests with Decommissioned Bridge Members", in preparation.
75. J.-H. Lee, M. Kim, J.-Y. Cho, "Verification of the Concrete Bridge Evaluation Efficiency in Korea", 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.
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