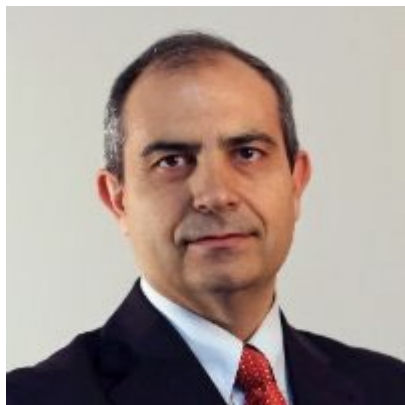


December 9, 2025

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Víctor Yepes is a Full Professor with tenure at the Department of Construction Engineering, Universitat Politècnica de Valencia, Spain. He holds a Ph.D. in Civil Engineering and has been the Academic Director of the Master in Concrete Materials and Structures since 2007. He has received the Academic Excellence Award from the Social Council, the Excellent Research Career Award, and the Excellent Research Impact Award from the Universitat Politècnica de València. Furthermore, he is also a member of the Institute of Concrete Science and Technology (ICITECH). He is currently involved in several projects related to the optimization and life cycle assessment of concrete structures and optimization models for infrastructure asset management. He also teaches courses on construction methods, innovation, and quality management. Dr Yepes has authored over 350 journal and conference papers, including over 200 published in journals quoted in JCR. He has acted as an Expert for project proposal evaluation for the Spanish Ministry of Technology and Science and is the Main Researcher on many projects. He also serves on the editorial board of 12 international journals, including Structure & Infrastructure Engineering, Structural Engineering and Mechanics, Mathematics, Sustainability, Revista de la Construcción, Advances in Civil Engineering, and Advances in Concrete Construction.

EDUCATION

Universitat Politècnica de València, Spain

Doctor of Philosophy, Civil Engineering, Department of Transportation Engineering, Sep 2002

Specialist Degree in Quality Control Management, Department of Applied Statistics and Operational Research, and Quality, June 2000

Bachelor of Science and Master of Science (Honours), Civil Engineering, School of Civil Engineering, June 1988, **achieving rank 1 in his class**.

Academic Excellence Award Social Council of the Univesitat Politècnica de València.

Excellent Research Career Award granted by the Universitat Politècnica de València.

Excellent Research Impact Award granted by the Universitat Politècnica de València.

EXPERIENCE AT THE UNIVERSITAT POLITÈCNICA DE VALÈNCIA

Full Professor, Department of Construction Engineering: November 2017 - present

Associate Professor, Department of Construction Engineering: April 2008 - November 2017

Part-Time Professor, Department of Construction Engineering: October 1994 - April 2008

Part-Time Professor, Department of Construction Engineering: October 1989 - September 1990

Research Assistant, Department of Transportation Engineering: September 1987 – 1988.

Deputy Director, Department of Construction Engineering: July 2010 - July 2012, July 2014 – December 2023.

Academic Head, M.Sc. in Concrete Engineering: June 2008 - February 2017. This Master of Science degree is focused on construction engineering and is fully supported by the Department of Construction Engineering. It aims to provide a comprehensive understanding of concrete as a building material and the necessary skills for analyzing and designing concrete structures. Learn more at <http://victoryepes.blogs.upv.es/2015/08/26/presentacion-del-master-universitario-en-ingenieria-del-hormigon/>

VISITING SCHOLAR

Department of Engineering and Construction Management

Pontificia Universidad Católica de Chile, 2013

PROFESSIONAL ENGINEERING EXPERIENCE

Iberdrola, S.A. (Energy company) Assistant Engineer. 1987.

Dragados y Construcciones, S.A. (Construction company) Civil Engineer and Site Manager. 1989-1992.

Generalitat Valenciana. (Regional government) Director of Infrastructure Engineering and R+D+I. 1992-2008.

Member of the General Council of the Association of Civil Engineers of Spain (2020 - present).

Member of Commission 13 - Architecture, Civil Engineering, Construction and Urban Planning, for the accreditation of university professors of ANECA (2023).

Secretary of Commission 15 - Civil Engineering, for the accreditation of university professors of ANECA (2024 – present).

JOURNAL PUBLICATIONS (SCI)

1. LOPEZ, S.; YEPES, V. (2026). **Innovation in construction: Assessing the role of transformational leadership and knowledge governance.** *Journal of Civil Engineering and Management*, (accepted, in press)
2. SÁNCHEZ-GARRIDO, A.J.; NAVARRO, I.J.; YEPES, V. (2026). [Multivariate Environmental and Social Life Cycle Assessment of Circular Recycled-Plastic Voided Slabs for Data-Driven Sustainable Construction.](#) *Environmental Impact Assessment Review*, 118, 108297. DOI:10.1016/j.eiar.2025.108297
3. SÁNCHEZ-GARRIDO, A.J.; MORENO-SERRANO, J.F.; NAVARRO, I.J.; YEPES, V. (2026). [Innovative safety framework and direct load-settlement method to optimize vertical subgrade modulus in sustainable mat foundations.](#) *Environmental Impact Assessment Review*, 118, 108191. DOI:10.1016/j.eiar.2025.108191.
4. SÁNCHEZ-GARRIDO, A.J.; NAVARRO, I.J.; YEPES, V. (2026). [Optimizing reactive maintenance intervals for the sustainable rehabilitation of chloride-exposed coastal buildings with MMC-based concrete structure.](#) *Environmental Impact Assessment Review*, 116, 108110. DOI:10.1016/j.eiar.2025.108110
5. TRES JUNIOR, F.L.; DE MEDEIROS, G.F.; KRIPKA, M.; YEPES, V. (2025). [Designing for Safety and Sustainability: Optimization of Fire-Exposed Steel-Concrete Composite Footbridges.](#) *Structural Engineering and Mechanics*, 96 (4):337-350. DOI:10.12989/sem.2025.96.4.337
6. NEGRÍN, I.; KRIPKA, M.; YEPES, V. (2025). [Life-Cycle Environmental Impact Optimization of an RC-THVS composite frame for sustainable construction.](#) *Engineering Structures*, 345, 121461. DOI:10.1016/j.engstruct.2025.121461
7. NEGRÍN, I.; KRIPKA, M.; YEPES, V. (2025). [Manufacturing cost optimization of welded steel plate I-girders integrating hybrid construction and tapered geometry.](#) *International Journal of Advanced Manufacturing Technology*, 140, 1601-1624. DOI:10.1007/s00170-025-16365-2
8. ZHOU, Z.; ZHAO, Z.; ALCALÁ, J.; YEPES, V. (2025). [Intelligent operation monitoring and finite element coupled identification of hyperstatic structures.](#) *Results in Engineering*, 27, 106990. DOI:10.1016/j.rineng.2025.106990
9. NEGRÍN, I.; CHAGOYÉN, E.; KRIPKA, M.; YEPES, V. (2025). [An integrated framework for Optimization-based Robust Design to Progressive Collapse of RC skeleton buildings incorporating Soil-Structure Interaction effects.](#) *Innovative Infrastructure Solutions*, 10:446. DOI:10.1007/s41062-025-02243-z
10. YEPES-BELLVER, L.; ALCALÁ, J.; YEPES, V. (2025). [Predictive modeling for carbon footprint optimization of prestressed road flyovers.](#) *Applied Sciences*, 15(17), 9591. DOI:10.3390/app15179591
11. VILLALBA, P.; SÁNCHEZ-GARRIDO, A.; YEPES-BELLVER, L.; YEPES, V. (2025). [A Hybrid Fuzzy DEMATEL–DANP–TOPSIS Framework for Life Cycle-Based Sustainable Retrofit Decision-Making in Seismic RC Structures.](#) *Mathematics*, 13(16), 2649. DOI:10.3390/math13162649
12. LUQUE CASTILLO, X.; YEPES, V. (2025). [Multi-criteria decision methods in the evaluation of social housing projects.](#) *Journal of Civil Engineering and Management*, 31(6), 608–630. DOI:10.3846/jcem.2025.24425
13. ZHOU, Z.; TIAN, Q.; ALCALÁ, J.; YEPES, V. (2025). [Research on the coupling of talent cultivation and reform practice of higher education in architecture.](#) *Computers and Education Open*, 9:100268. DOI:10.1016/j.caeo.2025.100268.
14. LUQUE-CASTILLO, X.; YEPES, V. (2025). [Life Cycle Assessment of Social Housing Construction: A Multicriteria Approach.](#) *Building and Environment*, 282:113294. DOI:10.1016/j.buildenv.2025.113294

15. ZHOU, Z.; WANG, Y.J.; YEPES-BELLVER, L.; ALCALÁ, J.; YEPES, V. (2025). [Intelligent monitoring of loess landslides and research on multi-factor coupling damage.](#) *Geomechanics for Energy and the Environment*, 42:100692. DOI:10.1016/j.gete.2025.100692
16. VITORIO JUNIOR, P.C.; YEPES, V.; ONETTA, F.; KRIPKA, M. (2025). [Comparative Life Cycle Assessment of Warehouse Construction Systems under Distinct End-of-Life Scenarios.](#) *Buildings*, 15(9), 1445. DOI:10.3390/buildings15091445
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25. BLIGHT, T.; MARTÍNEZ-PAGÁN, P.; ROSCHIER, L.; BOULET, D.; YEPES-BELLVER, L.; YEPES, V. (2025). [Innovative approach of nomography application into an engineering educational context.](#) *Plos One*, 20(2): e0315426. DOI:10.1371/journal.pone.0315426
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- [multidisciplinary coupling model](#). *Sustainable Cities and Society*, 101:105201. DOI:10.1016/j.scs.2024.105201
46. LOPEZ, S.; YEPES, V. (2024). [Visualizing the future of Knowledge sharing in SMEs in the construction industry: A VOS-viewer Analysis of emerging trends and best practices](#). *Advances in Civil Engineering*, 2024:6657677. DOI:10.1155/2024/6657677
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 49. GARCÍA, J.; LEIVA-ARAOS, A.; DÍAZ-SAAVEDRA, E.; MORAGA, P.; PINTO, H.; YEPES, V. (2023). [Relevance of Machine Learning Techniques in Water Infrastructure Integrity and Quality: A Review Powered by Natural Language Processing](#). *Applied Sciences*, 13(22):12497. DOI:10.3390/app132212497.
 50. YEPES-BELLVER, L.; BRUN-IZQUIERDO, A.; ALCALÁ, J.; YEPES, V. (2023). [Embodied energy optimization of prestressed concrete road flyovers by a two-phase Kriging surrogate model](#). *Materials*, 16(20); 6767. DOI:10.3390/ma16206767
 51. MARTÍNEZ-MUÑOZ, D.; GARCÍA, J.; MARTÍ, J.V.; YEPES, V. (2023). [Deep learning classifier for life cycle optimization of steel-concrete composite bridges](#). *Structures*, 57:105347. DOI:10.1016/j.istruc.2023.105347
 52. NEGRÍN, I.; KRIPKA, M.; YEPES, V. (2023). [Multi-criteria optimization for sustainability-based design of reinforced concrete frame buildings](#). *Journal of Cleaner Production*, 425:139115. DOI:10.1016/j.jclepro.2023.139115
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 54. HADIZADEH-BAZAZ, M.; NAVARRO, I.J.; YEPES, V. (2023). [Life Cycle Assessment of a Coastal Concrete Bridge Aided by Non-Destructive Damage Detection Methods](#). *Journal of Marine Science and Engineering*, 11(9):1656. DOI:10.3390/jmse11091656
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65. MARÍN, R.; YEPES, V. (2023). [Landscape values in a marina in Granada \(Spain\): Enhancing landscape management through public participation](#). *Land*, 12(2):492. DOI:10.3390/land12020492
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69. YEPES, V.; LOPEZ, S. (2023). [The Knowledge sharing capability in innovative behavior: A SEM approach from graduate students' insights](#). *International Journal of Environmental Research and Public Health*, 20(2):1284. DOI:10.3390/ijerph20021284
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