

Carlos G. Quintero-Febres, Ph.D., C.E.

Instructional Professor
Department of Civil and Environmental Engineering
Texas A&M University

Professor Emeritus
School of Civil Engineering
Universidad de Los Andes, Mérida, Venezuela

Cel. (531) 215-2562 e-mail: cquintero@tamu.edu

Education

Doctor of Philosophy in Civil Engineering, 1997, concentrating in Structural Engineering.

The University of Michigan, Ann Arbor, Michigan.

Master of Science (Civil Engineering), 1992, concentrating in Structural Engineering.

The University of Iowa, Iowa City, Iowa.

Civil Engineer, 1980.

Universidad de Los Andes, Mérida - Venezuela

Academic/Teaching Experience

At Department of Civil and Environmental Engineering, Texas A&M University, College Station, Texas, U.S.A.:

2022-present Instructional Professor

At Department of Structures, School of Civil Engineering, University of Los Andes (ULA), Merida, Venezuela:

2018-present Professor Emeritus

1998-2018 Professor of Structural Engineering

1992-1998 Associate Professor of Structural Engineering
1986-1992 Aggregate Professor of Structural Engineering
1982-1986 Assistant Professor of Structural Engineering
1980-1982 Lecturer (Instructor)

At other Academic Institutions:

2003-2004 Visiting Scholar, Department of Civil and Environmental Engineering, The University of Michigan, Ann Arbor, MI

Academic/Administrative Experience

At The University of Los Andes (ULA), Merida, Venezuela:

2008-2018 Coordinator, Graduate Program in Structural Engineering, Department of Structures, School of Civil Engineering, College of Engineering, ULA
2009-2015 Chairman, Department of Structures, School of Civil Engineering, College of Engineering, ULA
2006-2008 Coordinator, Academic Audit Commission, Office of Academic Affairs, ULA.
2002-2003 Coordinator, Commission for the Scientific and Technological Development (Scientific Commission), CDCHT, Office of Academic Affairs, ULA.

University Service

2009-2015 Member, Commission for CE Curriculum Development and Updating, School of Civil Engineering, College of Engineering, ULA.

2005-2006	Faculty Member, Council of the School of Civil Engineering, College of Engineering, ULA.
2001-2003	Member of the Council for the Scientific, Humanistic and Technological Development on behalf of the College of Engineering, CDCHT, Office of Academic Affairs, ULA.
2000-2018	Member, Faculty Search Committee, School of Civil Engineering, College of Engineering, ULA.
2000-2018	Member, Committee on Faculty Promotion and Tenure, School of Civil Engineering, College of Engineering, ULA.
1999-2001	Member, Applied Sciences Subcommittee, CDCHT, ULA.
1987-1988	Faculty Member, Council of the School of Civil Engineering, College of Engineering, ULA.

Service to the Profession

- Peer Reviewer for ACI Structural Journal.
- Peer Reviewer for Journal of Building Engineering.
- Peer Reviewer for Science and Engineering (in Spanish)

Courses Taught

Undergraduate:

At TAMU:

CVEN 221 Statics
 CVEN 305 Mechanics of Materials
 CVEN 444 Structural Concrete

At ULA:

Rational Mechanics I (Statics)
 Strength of Materials I
 Structures I

Graduate:

Reliability of Structures
 Structural Dynamics and Seismology
 Advance Structural Analysis

Structures II
Reinforced Concrete Design
Steel Design
Seismic Engineering

Graduate Seminar (Structures)

Student Supervision

- Chair or Co-Chair for PhD, MSc, and undergraduate students (all graduated)

Honors and Awards

- **ACI Structural Research Award**, American Concrete Institute, 2003
- **Research Incentive Award**, PEI, Council for the Scientific, Humanistic and Technological Development CDCHT, University of Los Andes, 2009
- **Recognition, Research Promotion Program PPI, Level I**, National System of Research Promotion SPI, Council of National Universities, Venezuela, 2002-2003-2007-2010
- **Recognition as Thesis Supervisor for Best Undergraduate Thesis in Civil Engineering**, College of Engineering, University of Los Andes, 2002
- **Academic Merit Award**, National Council for Higher Education CONABA, Venezuela, 2003
- **Distinction to Academic Merit**, Association of University Professors, APULA, University of Los Andes, 2003 and 2014
- **Higher Education Award**, National Commission for Higher Education Development CONADES, Venezuela, 1998

Professional Registration

C.E., Registered Professional Civil Engineer, 1980-present, Venezuela

Publications

Technical Papers:

- Medina, J. and Quintero-Febres, C. (2015). "Statistical Parameters of Shear Resistance of Reinforced Concrete Beams", (in Spanish). Revista Internacional de Desastres Naturales, Accidentes e Infraestructura Civil, Vol. 14, N° 1, 2015,
- Picón-Rodríguez, R.; Quintero-Febres, C.; and Florez-Lopez, J. (2007). "Modeling of Cyclic Bond deterioration in RC Beam-Column Connections". Structural Engineering and Mechanics, An International Journal. Vol. 26, N°.5, 2007, pp. 569-589.
- Quintero-Febres, C.; Parra-Montesinos, G.; and Wight, J.K. (2006). "Strength of Struts in Deep Concrete Members Designed Using Strut-and-Tie Method". ACI Structural Journal, Vol.103, No.4, Jul.-Aug., 2006, pp.577-586.
- Picón-Rodríguez, R.; Quintero-Febres, C.; and Florez-Lopez, J. (2004). "Simplified Damage Model for Reinforced Concrete Wide Beam-to-Column Joints considering reinforcement slippage". Revista Sul-Americana de Engenharia Estrutural, Vol.1, N°.2, Set.-Dec., 2004, pp. 97-122.
- Quintero-Febres, C. and Wight, J. (2001). "An Experimental Study of Reinforced Concrete Interior Wide Beam-Column Connections Subjected to Lateral Loading". ACI Structural Journal, Vol.98, No.4, Jul.-Aug., 2001, pp.572-582.

Technical Reports:

- Quintero-Febres, C. (1997). "Investigation on the Seismic Behavior of RC Interior Wide Beam-Column Connections". PhD Thesis submitted to the Graduate College, The University of Michigan, Michigan.

- Quintero-Febres, C. (1992). "Parametric Modelling of Earthquake Response Spectra". MSc Thesis in Civil Engineering submitted to the Graduate College, The University of Iowa, Iowa.
- Stoner, J.; Bhatti, M.; Kim, S.; Bernard, J.; Molinas, J.; Quintero-Febres, C.; Amhof, B.; Koo, J.; Stearns, S.; and Foster, N. (1991). "Dynamic Simulation Methods for Evaluating Vehicle Configuration and Roadway Design", Report submitted to the Midwest Transportation Center, Iowa Department of Transportation, Iowa.
- Quintero-Febres, C. (1988) "Post-Seismic Inspection of Buildings: Guidelines for a Building Inspection Plan for the City of Mérida", (in Spanish), submitted to the Academic Promotion Committee, ULA, Mérida, Venezuela.
- Uzcátegui, Iria; Hernandez, Marina; Quintero-Febres, C.; Sarmiento, Rafael; Carnevalli, Reina; Grisolia, Daisy; y Contreras, Luis. (1987). "Primary Evaluation of the University Hospital Building of the City of Mérida, (in Spanish), submitted to CEAPRIS, Mérida, Venezuela.
- Sarmiento, Rafael; Quintero-Febres, C.; y Carnevalli, Reina. (1986). "Primary Evaluation of the Fire Department Building of the City of Mérida". (in Spanish), submitted to CEAPRIS, Mérida, Venezuela.
- Quintero-Febres, C. (1984). "Influence of Concrete Shrinkage in Reinforced Concrete Framed Structures", (in Spanish), submitted to the Academic Promotion Committee, ULA, Mérida, Venezuela.
- Florez, J. and Quintero-Febres, C. (1980). "Behavior of K-Joints under Closing Loads". (in Spanish), Undergraduate Thesis submitted to the School of Civil Engineering Graduating Committee, College of Engineering, ULA, Mérida, Venezuela.

Communications:

- Gómez N., M.; Quintero-Febres, C.; y Marinilli, A. (2009). "Probabilistic Evaluation of the Response of Reinforced Concrete Frames from a Building built in the 50's subjected to Lateral Loads". (in Spanish), IX Congreso Venezolano de Sismología e Ingeniería Sísmica. Caracas, Venezuela.
- Picón, R.; Quintero-Febres, C.; y Flórez-López, J. (2003), "Dynamic Behavior of Reinforced Concrete Frames considering reinforcement slippage". (in Spanish), VII Congreso Venezolano de Sismología e Ingeniería Sísmica. Barquisimeto, Venezuela.

- Picón, R.; Vera, B.; Quintero-Febres, C.; and Florez-Lopez, J. (2002). "Modeling of the Dynamic Behaviour of Reinforced Concrete Frames with Significant Reinforcement Slip". Proceedings of The Sixth International Conference on Computational Structures Technology, Prague, Czech Republic.
- Quintero-Febres, C. y Wight, J. (2002). "Behavior of Wide Beam Systems subjected to Seismic Loads". (in Spanish), XXX Jornadas Sul-Americanas de Engenharia Estrutural, Brasilia, Brasil.
- Picón, R.; Vera, B.; Florez-Lopez, J. y Quintero-Febres, Carlos (2002). "Bond Degradation in Reinforced Concrete Elements subjected to Ciclic Loads". (in Spanish), VI Congreso Internacional de Métodos Numéricos en Ingeniería y Ciencias Aplicadas, CIMENICS '02, Caracas, Venezuela.
- Febres, R.; López, A.; Quintero, C.; Rivero, P.; y Thomson, E. (1999). "The Armenia Earthquake, Colombia, on January 25, 1999". (in Spanish), VI Congreso Venezolano de Sismología e Ingeniería Sísmica, Mérida, Venezuela.
- Inglessis, P.; Quintero, C., y Flórez, J. (1998). "Modeling of the Behavior of Frames by using Concepts of Fracture and Damage Mechanics". XI European Congress on Earthquake Engineering, Paris-Francia.
- Flórez, J. y Quintero-Febres, Carlos (1998). "Modeling of Bond Degradation in Reinforced Concrete Elements subjected to Ciclic Loads". (in Spanish), IV International Congress on Numerical Methods in Engineering and Applied Sciences, CIMENICS 98, Ciudad Guayana, Venezuela.
- Quintero, Carlos G. ; LaFave, James M.; and Wight, James K. (1996). "Behavior of Slab-Banded Floor Systems Subjected to Lateral Earthquake Loading". XI World Congress on Earthquake Engineering, Acapulco, México.
- LaFave, James M.; Quintero, Carlos G.; and Wight, James K. (1995). "Behavior of Slab-Banded Systems under Earthquake Type Loading". ACI Fall Conference. American Concrete Institute. Montreal, Canadá.
- Quintero-Febres, Carlos. (1988). "Guidelines for a Post-Earthquake Inspection of Buildings Plan for the City of Mérida".(in Spanish), V Venezuelan Congress on Seismic Engineering. Cumaná, Venezuela.

C.G.Q-F., 2023