EDUCATION

UNIVERSIDAD de LOS ANDES — Mérida, Venezuela
Ph. D., Applied Sciences, Structural Engineering — February 2014

THE PENNSYLVANIA STATE UNIVERSITY — State College, Pennsylvania, USA
Visiting Scholar — August 2007 – October 2008

UNIVERSIDAD del ZULIA — Maracaibo, Venezuela
Master of Science Structural Engineering — September 2002

UNIVERSIDAD CENTRAL de VENEZUELA — Caracas, Venezuela
Bachelor of Science in Civil Engineering — July 1989

UNIVERSIDAD NACIONAL AUTÓNOMA — Managua, Nicaragua
Bachelor of Science in Civil Engineering — March 1978

LICENSES & CERTIFICATIONS

67679, Professional Registered Engineer in Venezuela
OSHA Construction Safety and Health 10-HR
ACI Concrete Field-Testing Technician – Grade I
NYC DOB 4-HR Supported Scaffold User and Refresher Training
ICC Reinforced Concrete Special Inspector Associate
ICC Structural Steel and Bolting Special Inspector
ICC Structural Welding Special Inspector
PTI Unbonded PT installation Certification
NHI 14 Hour Safety Inspection of In-Service Bridges
NHI 40 Hour Tunnel Safety Inspection

PROFESSIONAL ASSOCIATIONS

American Society of Civil Engineers (ASCE I.D.# 457565)
American Concrete Institute (ACI I.D.# 1039610)
American Institute of Steel Construction (AISC I.D.# 3224540)
Asociación Nicaragüense de Ingenieros y Arquitectos (ANIA I.D.# 860)
American Society of Civil Engineers (ASCE), 7-28, Seismic Subcommittee, Associate Member, TC-6C Task committee member
CIB Board of Directors, Member

EXPERIENCE

GILSANZ MURRAY STEFICEK — **November 2019 to Present**
ASSOCIATE

45-03 23rd Street - Long Island City, NY
GMS serves as the structural engineer for this 700,000 gross square foot concrete residential building which will be built on two separate tax lots. The Owner is filing this project as two buildings, functioning as one, but two structurally independent buildings. The site is adjacent to several subway and elevated train lines, requiring NYCTA approval.

Jake's 58 Casino & Hotel – Islandia, NY
The project is a 110,500 sf, two story addition with an adjacent new 3 level parking garage along the north side of the existing hotel. A new double-height gaming floor will connect to the existing second and a new upper-level event, pre-function and

back-of-house spaces will connect to the third floor of the existing hotel and casino. The project also includes renovations and updates to the existing hotel and casino, including new elevators, restaurant space and a roof terrace. The development is built into a hill and has a full story grade change across the project site.

50 Ninth Avenue at West 14th Street – New York, NY
GMS provided structural engineering services for the renovation of nine existing historic buildings and the addition of a 9-story office building. The existing facades along 9th Avenue and 14th Street were braced during construction and preserved, as were interior party walls and the rear walls. GMS also provided consulting services for examination of the existing facades. The project included approximately 85,000 sf of new framed area.

180 East 125th Street - New York, NY
GMS is serving as the structural engineer for the development of thirteen (13) story residential building consisting of one cellar with parking, a pool, mechanical space and MTA space, ground level lobby, retail, and access for parking, and amenity spaces at the second floor, and roof, totaling approximately 500,000 gsf. The development site is comprised approximately half of the city block surrounded by 125 and 124 Streets and Third Avenue, except the corner of 124 Street and Third Avenue, which is occupied by the FDNY. The project is currently being designed with post-tensioned concrete flat slabs and shear walls and is currently on hold.

Staten Island University Hospital Central Utility Plant - Staten Island, NY
GMS is working with NSLIJ to design a new 12,000 sf Central Utility Plant building with new chillers, boilers, pumps, switchgear, cooling towers and generators. The new building will be built on piles.

160 East 125th Street – New York, NY
The project consists of a new 45 story mixed residential/retail tower with two below grade levels, building over a future MTA entrance building extending down seven levels. The MTA portion of the project and the developer's portion of the project will be constructed independently and at different times. The tower will be located at East 125th Street and Lexington Avenue on a site which extends from 125th Street to 124th Street along Lexington Avenue and extends east approximately 179'-6". Project is on hold.

2000 Purchase Street - Purchase, NY
GMS performed a comprehensive condition assessment of this 4-story parking garage, approximately 280,000 sf, and provided life-cycle assessment for several possible repair scenarios to help the client's long-term planning.

560 West 218th Street – New York, NY
GMS provided structural engineering services for the emergency response to assist the Owner with the structural assessment of a failed retaining wall and to provide engineering design for temporary site grading and wall shoring as required to create a structural condition which provides immediate short term public safety. GMS also provided the Owner with a permanent repair to guarantee long term public safety.

NYC Code Mandated Peer Reviews:

Brooklyn Bowtie
250 West 26th Street
740 Eighth Avenue

PREVIOUS EXPERIENCE

Proyectos de Ingeniería Civil C.A. (PROINCI C.A.) June 1990 – February 2019
General Manager Maracaibo, Venezuela

Centro de Información Colón December 1979 – May 1990
Technical Manager Maracaibo, Venezuela.

Diseño Arquitectura y Supervisión S. A. March 1978 – June 1979
Design Engineer Managua, Nicaragua.

Santos & Heilemann March 1977 – June 1978
Design Engineer Managua, Nicaragua.

AWARDS

2013 Teaching Excellence Award "Ignacio Rodríguez Iturbe," Universidad del Zulia.
2006 Researcher Promotion Program Award, Universidad del Zulia, Venezuela.
2005 Researcher Promotion Program Award, Universidad del Zulia, Venezuela.
1978 Academic Excellence Award, Best Cumulative Grade-Point Average in the School of Civil Engineering, Universidad Nacional Autónoma de Nicaragua.

DOCTORAL THESIS

"**A Method of Damage-Control in Earthquake-Resistant Design of RC Frames**," (In Spanish), December 2013. Mérida, Venezuela.

BOOKS

Norma Sismorresistente Para La Ciudad De Managua – Ministerio de Transporte e Infraestructura (MTI), Nicaraguan Seismic Code (in Spanish), Technical Committee Chair, effective June 2022.

Norma Mínima de Diseño y Construcción de Concreto Estructural – Ministerio de Transporte e Infraestructura (MTI), Structural Concrete Code of Nicaragua (in Spanish), Author: Sebastian Delgado, under a contract with the Interamerican Development Bank. Programa de Gestión Integral de Riesgos de Desastres de Nicaragua (PGIRDN) ATN/OC-14249-NI (NI-T1188), May 2017.

Fundamentals of the Prestressed Concrete (In Spanish), Authors: Sebastián Delgado and Fernando Sarmiento, Editorial Astrodata, Maracaibo, Venezuela. 1st Edition. 350 pages. January 2016.

Special Topics of the Reinforced Concrete (In Spanish), Authors: Sebastián Delgado and Eudio Barboza, Editorial Astrodata, Maracaibo, Venezuela. 1st Edition. 450 pages. November 2014.

Fundamentals of the Reinforced Concrete (In Spanish), Authors: Sebastián Delgado and Eudio Barboza, Editorial Astrodata, Maracaibo, Venezuela. 1st and 2nd Edition. 280 pages. 2013 (First Edition), May 2014 (Second Edition).

Manual de Inspección, Evaluación y Diagnostico de Corrosión en Estructuras de Hormigón Armado, Authors: Rincón, O. et al. (Delgado, S. Colaborador) (1997), CYTED. ISBN 983-296-541-3, 1997 (First Edition), 1998 (Second Edition), 2001 (third Edition), 2000 (First English Edition).

PAPERS

"**Effect of Tropical Enviroment in Transmission Towers**," Troconis Oladis, Sanchez Miguel, Romero Nathalie, Fernandez Marianela, Salas Orlando, Sebastián Delgado, Ruiz Omar. Materials Performance, NACE International, 52 (12), 46-50. Dicember 2013.

"**Challenges in Sustained the World's Bridges and Highways infrastructure**," Kathy Riggs, Larsen, Sebastián Delgado (Panelist). Materials Performance, NACE International, 50 (11), 26-31. November 2011.

"**Best-Fit Models for Nonlinear Seismic Response of Reinforced Concrete Frames,"**Lepage, A., Hopper, M. W., Delgado, Sebastian. A., and Dragovich, J. J. Engineering Structures, Elsevier, 32(9), 2931-2939. May 2010.

"**Optimal Hysteresis Model Parameters for the Seismic Response of Reinforced Concrete Frames**," Lepage, A., and Delgado, Sebastian. A. Revista Técnica de Ingeniería, Universidad del Zulia, 31(3), 284-293. March 2008.

"**Appropriate Models for Practical Nonlinear Dynamic Analysis of Reinforced Concrete Frames,"** Lepage, A., Delgado, Sebastian. A., and Dragovich, J. J. The 14th World Conference on Earthquake Engineering. S15-041, Beijing, China, 8 pag. October 2008.

"**Corrosion in Reinforced Concrete Exposed to Chloride-Contaminated Water,"** Sánchez Miguel, T. de Rincón Oladis, Delgado Sebastian, Sánchez Erika. Materials Performance, NACE International, 48-53. March 2007.

"**Agrietamiento de Vigas de Concreto por Corrosión cuando se les aplica una Carga Externa Permanente**," Hernández Yolanda, Torres Andrés, T. de Rincón Oladis, Delgado Sebastian, Rodríguez José. Instituto Mexicano del Transporte, SCT, México, Nº 109, 7 - 15. 2007.

"**Corrosion Problems Associated with a Fireproofing Coated Structure Exposed to a Marine Environment**," Sánchez Miguel, T. de Rincón Oladis, Sánchez Erika, Sadaba Maite, García Daniel, Sánchez Enyo, Delgado Sebastian, Fernández Rafael. Materials Performance, NACE International, 34-38. October 2005.

"**Portal of Damage: A Web-based Finite Element Program for the Analysis of Framed Structures Subjected to Overloads,"** Marante, M., Suarez, L., Quero, A., Redondo, J.,

Vera, B., Uzcategui, M., Delgado, Sebastian., León, L., Núñez, L. and Flórez-Lopez, J., ELSEVIER, Advances in Engineering Software, Vol. 36, 346-358. 2005.

"**Structural Damage of RC Frames Designed for Seismic Codes**," Delgado, Sebastian., Sarcos, A., Flórez-López, J., Picón, R. and Marante, M., International Journal of Natural Disaster, Accidents and Civil Infraestructure. Universidad de Puerto Rico, Recinto Universitario de Mayagüez. Vol. 3. 3-11. 2003.