

**DEPARTMENT OF CIVIL ENGINEERING  
UNIVERSITY OF PUERTO RICO - MAYAGUEZ**

**CURRICULUM VITAE**

**NAME & ACADEMIC RANK:** Vélez Rodríguez, Linda L., Professor

**DEGREES (with fields, institution, and grade):** -B.S.C.E. University of Puerto Rico at Mayagüez, May 1975  
-M.S. Degree in Geodetic Science, Ohio State University, Sept. 1981

**SERVICE ON FACULTY (including date of original appointment and dates of advancement in rank):** July 1989 as Assistant Professor  
July 1994 as Associate Professor  
July 2001 as Professor

**OTHER RELATED EXPERIENCE (teaching, industrial, new technology):** -Professor at the Polytechnic Univ. of Puerto Rico Land Surveying Program, Period 1982 to 1985  
-Add Honorem Professor at the University of Puerto Rico-Rio Piedras Campus at the Geography Department, Period 1983  
-Professor and Program Coordinator at the Turabo University of Puerto Rico, Land Surveying Program at the Mathematics Department - Gurabo, PR; Period 1978 to 1979  
-Undersecretary of the Department of Transportation and Public Works, San Juan, Puerto Rico. Acting Secretary during January 1, 1989 to March 3, 1989. Period April 1986 to March 1989.  
-Partner of Antonio Hernández Virella & Associates; Period 1983 to 1986  
-Civil Engineer at the Puerto Rico Aqueduct And Sewer Authority, San Juan, PR; Period 1978-1983  
-Civil Engineer at the Department of Transportation & Public Works, San Juan, Puerto Rico; Flood Control Area; Period 1975-1978  
-The use of Global Positioning Systems technology in several courses and conducts research using GPS as data gathering tool. The use of several TRIMBLE receivers such as: the Pathfinder Basic Plus, GeoExplorer II, 4600LS and 4700. DGPS and STATIC observation methods.  
- The use of Remote Sensing and Geographic Information Systems technology in several courses and conducts research using these new technology with several agencies like: USDA Forest Services, NOAA, Fish and Wild Life Service, NASA, FEMA, and the Puerto Rico Environmental and Natural Resources.

**CONSULTING:** Expert Witness in Land Surveying

**STATE(S) IN WHICH REGISTERED:** Professional Engineer, Puerto Rico, License No. 7731  
Professional Land Surveyor, Puerto Rico, License No. 8791

**PRINCIPAL PUBLICATIONS OF LAST FIVE YEARS:** Vélez, L.; 1996. Land Use and Land Cover Maps Series of Guánica Commonwealth Forest. U.S Department of Agriculture, Forest Service, International Institute of Tropical Forestry with Fundación Puertorriqueña de Conservación.  
-Lugo, A.E.; Ramos O.; Molina S.; Scatena, F.N.; Vélez, L.; 1996. A fifty-three year record of land use change in the Guánica Forest Biosphere Reserve and its vicinity. U.S Department of Agriculture, Forest Service, International Institute of Tropical Forestry with Fundación Puertorriqueña de Conservación.  
-Controles Horizontales con GPS en el UPR-RUM, Tecnomundo, publicación del Colegio de Ingenieros y Agrimensores de Puerto Rico, Edición Enero-Febrero/2001, página 19.

**SCIENTIFIC AND PROFESSIONAL SOCIETIES OF WHICH A MEMBER:**

Society of Women Engineers (SWE); American Society of Civil Engineers (ASCE); American Congress on Surveying and Mapping (ACSM); Sociedad de Ingenieros de Puerto Rico; Colegio de Ingenieros y Agrimensores de Puerto Rico (CIAPR) to which all Registered Engineers and Land Surveyors must belong by Law; National Geographic Society And Sororidad Honoraria de Educadoras ADK-Capítulo Delta

**HONORS AND AWARDS:**

- 1997 Distinguished Collegiate by the Mayagüez Chapter of the "Colegio de Ingenieros y Agrimensores de Puerto Rico"  
- Illustrios Women Room of the Puerto Rico Senate, Tally with the name of Linda L. Vélez in the Engineering Field  
-1996 Fellow of the Society of Women Engineers  
-1996 Distinguished Work in Land Surveying Six Land Use and Land Cover of Guánica Dry Forest by the "Colegio de Ingenieros y Agrimensores de Puerto Rico"

**INSTITUTIONAL AND PROFESSIONAL SERVICE IN THE LAST FIVE YEARS:**

Department's Students Affairs Committee  
Department's ABET Accreditation Committee  
Department's Name Change Ad Hoc Committee  
Department's Personnel Committees  
Professional Land Surveying Committee  
Faculty Advisor for the SWE Student Chapter  
Member of the Editorial Advisory Board of the Journal Surveying and Land Information Systems, published by the American Congress on Surveying and Mapping  
"Geodetic Liaison" for the National Geodetic Survey since 1999, as part of the MOU between NOAA and UPR-RUM  
Research in Remote Sensing , Geographic Information Systems(GIS) and Global Positioning Systems (GPS) with several federal and local agencies like: USDA Forest Services, NOAA, Fish and Wild Life Services, NASA, and the PR Environmental and Natural Resources

**PROFESSIONAL DEVELOPMENT ACTIVITIES IN THE LAST FIVE YEARS:**

-Taller titulado "Decision Makers" auspiciado por la Reserva Nacional de Investigación Estuarina de Bahía de Jobos, el 13 de mayo de 1996, conferencia titulada **"Introducción a los Sistemas de Información Geográfica"**  
-IV Simposio de Recursos Naturales Públicos: Puerto Rico en transición - de agrícola a urbano, Ponce, 19 de noviembre de 1997 Pontificia Universidad Católica de Puerto Rico (PUCPR)Ponce ponencia titulada **"Cambio de usos de terrenos en los municipios de la periferia del Bosque Nacional del Caribe"**.  
-Decimoséptimo Simposio de Ecología Islaña - Puerto Rico desde el Aire, Recinto Metropolitano de la Universidad Interamericana de Puerto Rico en San Juan el 27 de octubre de 2000, ponencia titulada **"El Yunque a largo plazo"**.