

**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
- Ad 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 Real Time Kinematic Global Positioning Systems technology using TOPCON Hiper Lite +
- The use of Remote Sensing and Geographic Information Systems technology in several courses and conducts research using these new technologies with several agencies like: USDA Forest Services, NOAA, Fish and Wild Life Service, NASA, FEMA, Instituto de Cultura Puertorriqueña, Puerto Rico Justice Department and the Puerto Rico Environmental and Natural Resources Department.

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:

- Sistema Espacial del Valle del Río Grande de Añasco, Tecnomundo, publicación del Colegio de Ingenieros y Agrimensores de Puerto Rico, Edición Enero-Febrero/2004, página 13.
- Buscando Puntos de Control en el WEB, Tecnomundo, publicación del Colegio de Ingenieros y Agrimensores de Puerto Rico, Edición Febrero 2005, página 14.
- Land Surveying Bachelor Program at the University of Puerto Rico: A Vision for Success
XXIII International FIG Congress
8-13 October 2006 Munich, Germany

-Tidal Station and Bench Marks: Tools for Spatial Information Management
6th FIG Regional Conference
Coastal Areas and Land Administration –Building the Capacity-
12-15 Novembre 2007 San Jose, Costa Rica

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”
- Ilustrios 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:

2006-2007 and 2005-2006 President of the Professional Surveyor Institute of the “Colegio de Ingenieros y Agrimensores de Puerto Rico”
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 until 2007
“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, Instituto de Cultura Puertorriqueña, Puerto Rico Justice Department and the PR Environmental and Natural Resources

PROFESSIONAL DEVELOPMENT ACTIVITIES IN THE LAST FIVE YEARS:

-Conferencia titulado “Acceso al Fortín de San Jeronimo” auspiciado por el Colegio de Ingenieros y Agrimensores de Puerto Rico, el 27 de septiembre de 2007.
- Conferencia titulado “Sistema de Alerta de Tsunami” auspiciado por el Colegio de Ingenieros y Agrimensores de Puerto Rico-Instituto de Agrimensores, el 15 de febrero de 2008.
- Conferencia titulado “Metamorfosis Geoespacial” auspiciado por el Colegio de Ingenieros y Agrimensores de Puerto Rico, el 14 de mayo de 2008.

PERCENTAGE OF TIME AVAILABLE FOR RESEARCH AND SCHOLARLY

25%

PERCENTAGE OF TIME COMMITTED TO THE PROGRAM

100%