

# **Aidcer Linalynn Vidot-Vega, Ph.D., P.E.**

## **Associate Professor**

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## **Professional Experience**

- 2009 - Present, Assistant Professor, Dept. Eng. Science and Materials- UPRM
- 2008 - 2010, Consulting Engineer, AB Court & Associates, CA
- 2005 - 2008, Teaching and Research Assistant, North Carolina State University
- 2004 - 2005, Research Assistant – NIA-NASA, Hampton, VA
- Summer 2001, 2002, 2003 – Research Assistant, ERDC, US Army Corps of Eng.

## **Professional Preparation**

- 2008 - Ph.D Civil/Structural Engineering , North Carolina State University
- 2004 - MS in Civil Engineering, University of Puerto Rico, Mayagüez, PR
- 2001 - BS in Civil Engineering, University of Puerto Rico, Mayagüez, PR

## **Publications**

### **Peer-reviewed journals or magazines**

- Vidot-Vega, A.L. and Kowalsky, M.J., "Impact of Seismic Input on Strain/Displacement Response of RC Members and Frames ", ACI Structural Journal, V. 108, No.2, March-April, 2011.
- Vidot-Vega, A.L. and Kowalsky, M.J., "Relationships between Strain, Curvature, and Drift in RC Moment Frames in Support of Performance-Based Seismic Design", ACI Structural Journal, V. 107, No. 3, May-June, 2010.
- Vidot-Vega, A.L. and Kowalsky, M.J., "Drift, Strain Limits and Ductility Demands for RC Moment Frames Designed with Displacement-Based and Force-Based Design Methods ", submitted for publication, Journal of Engineering Structures.
- Vidot-Vega, A.L. and Kowalsky, M.J., "Relaciones Entre Límites de Daño, Parámetros Estructurales y Magnitudes Sísmicas para Evaluar Pórticos de Hormigón Reforzado". Revista Internacional de Desastres Naturales. Vol. 10, (No. 2).
- Vidot-Vega, A.L., Possiel, B., Robinson, B., Kowalsky, M.J, and Gabr, M. "Evaluation of Rotational Stiffness of Elastomeric Bearing Pad-Anchor Bolt Connections on Deep Foundation Bents", ASCE Journal of Bridge Engineering, V. 14, No. 6, December, 09.

### **Other publications**

- Vidot-Vega, A.L., “The Impact of Load History on Deformation Limit States for the Displacement-based Seismic Design of RC Moment Frame Buildings”. PhD Dissertation, Dept. of Civil, Construction and Environmental Engineering, NCSU, Raleigh, NC, 2008.
- Robinson, B., Vidot-Vega, A.L., Park, Y.J, Possiel, B., Suarez, V., Kowalsky, M.J, and Gabr, M. "Design Criteria for Post and Beam Bents with Drilled Shafts", Report FHWA/NC/2006-48, NCDOT, Federal Highway Administration, Raleigh, NC, December, 07.
- Vidot-Vega, A.L, Matheu, E., Suarez,L. and Sharp, M. " Seismic Analysis of Intake Towers Considering Multiple Support Excitation and Soil-Structure Interaction Effects", ERDC US Army Corps of Engineers, Report ERDC/GSL TR-04-16, September, 2004.

### **Conference Proceedings and Posters**

- Vidot-Vega, A.L. and Kowalsky, M.J, "Deformation Limit States for RC Frame Buildings in Support of Direct Displacement-Based Seismic Design ", EERI Annual Meeting (Poster Session), New Orleans, LA., February, 2008.
- Vidot-Vega, A.L., Possiel, B., Kowalsky, M.J, and Gabr, M. “Moment Transfer in Bearing Supported Bridges”. Conference proceeding. PCI National Bridge Conference. Phoenix, AZ, October 21-24, 2007.
- Vidot-Vega, A.L., and Kowalsky, M.J. "Load History Effects in RC Columns and its Implication on the Seismic Limit States ", EERI Annual Meeting (Poster Session), San Fransisco, CA, April, 2006.
- Vidot-Vega, A.L. and Suarez, L.E., "Seismic Analysis of Intake-Outlet Towers Considering Multiple Support Excitation and Soil-Structure Interaction Effects", EERI Annual Meeting (Poster Session), Los Angeles, CA, February, 2004.

### **Awards/Honors**

- August 2004- May 2005. Rising star fellowship- (NIA-NASA). ·
- 1997-2001. Honor Role, Department of Civil Engineering, UPRM