

EDUCATION

2000-2004

5901

Purdue University

W. Lafayette, Indiana

RESEARCH

INTERESTS

- o Earthquake engineering and behavior of structures under impact loading
- o Seismic vulnerability and seismic retrofitting of structures
- o Performance based methodologies
- o Soil-structure interaction
- o Behavior and design of waterfront structures

AWARDS

- o Outstanding Faculty Adviser Award College of Science and Engineering, Seattle University, 2014.
- o ASCE New Faculty Excellence in Teaching Fellowship (ExCEED, summer 2011)
- o National Science Foundation Summer Program in Taiwan (Asia Pacific Summer Institute, summer 2005).
- o General Electric Faculty for the Future Fellowship, GEFFF (2002).
- o National Science Foundation Summer Program in Japan (East Asia Pacific S Institute, summer 2002).
- o Purdue Graduate Association Travel Grant for the presentation of a technical paper Finland (May 2000)
- o Summa Cum Laude (National University of Colombia, June 1997)
- o Best Undergraduate Student Award (Colombian Institute of Investigation and Science June 1997)
- o B.Sc. Thesis with Merit (National University of Colombia at Medellin, June 1997)
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PUBLICATIONS

REFEREED JOURNAL PUBLICATIONS

- o J.P. Smith Pardo, F.A. Galvis-Lopez 3 5 H F W D Q J o r d e s l o n s R e v e l o W K H S O D V W L F P R P H Q W F D S D J o u r n a l o f B r i d g e & E n g i n e e r i n g 23(7):06018003
- o J.C Reyes, E. Marcillo Delgado, J.P. Smith Pardo, O.A. Ardila Giraldo (2018), 3 \$ V V H V V P H e d a t i v e S e i s m i c M a s s f o r l o w r i s e f r a m e d s h e a r b u i l d i n g s

- o N. Gnanapragasam, J.W. Lauer, J.P. Smith, M. Marsolek and N. Canney (2015),
 Capstone Projects: Benefits, Challenges and Lessons Learned, *International Journal of Engineering Education* 31(6B): 1869-1880
- o J.P. Smith-Pardo, A. Ortiz, and C.A. Blandon (2014), Capacity of Rigid
 Footings: Simple Closed Form Equations and Experimental Verification, *Engineering
 Structures* 69(15): 149-157.
- o S. Pujol, M.D. Nelson, and J.P. Smith (2013), Lateral Load Capacity of
 Reinforced Concrete Piers, *ACI Special Publication SP-295: Recent Advances in the Design
 of Prestressed Concrete Piles in Marine Structures in Seismic Regions*, N
 2249-2252.
- o J.P. Smith, D.G. & (2013), Analysis and Design of Piers, Wharves and Container Yards
 Support, *ACI Special Publication SP-295: Recent Advances in the Design
 of Prestressed Concrete Piles in Marine Structures in Seismic Regions*
- o J.P. Smith

- o D.E. Zuluaga Rojas, F.A Galvis Lopez, J.P Smith Pardo, B. Caicedo (2017) ³ & D S D de Carga Doblemente Excéntrica en Cimentaciones SHUILF/UIDC Congreso Nacional de Ingenieria de Ingeniería Sísmica Barranquilla Colombia, May 31-June 2.
- o J.C. Reyes, L. Ardila Bothia, J.P. Smith Pardo, J. N. Villamiza Gonzalez, O. A. Ardila Giraldo (2015) ³ (IIHF) We Rdad Objects on the Drift Response of Platform Structures Subjected to Unidirectional Ground Motion Canadian Conference on Earthquake Engineering, Vancouver Canada, July 2-4.
- o J. N. Villamizar

- o J.P. Smith-Pardo, M.A. Sozen and J.A. Ramirez (2004), "Nonconventional and Simple View of the Soil-Structure Interaction Problem", EurEnGeo2004 First European Regional IAEG Conference 2004- 6 May 2004, Liège (Belgium).
- o J. Olek, J. Ramirez, R. Frosch, J. Smith-Pardo, and T. Nantung (2001), "Challenges in the Development of Performance-Related Specifications for Concrete Bridge Superstructures", Pilot Project in Indianá, Third International Conference on Concrete under Severe Conditions: Environment and Loading, Vancouver, Canada, June 2001.
- o J.P. Smith-Pardo, J.A. Ramirez (2000), "Performance-Related Specifications (PRS) for Concrete Bridge Superstructures", International Symposium of Life Cycle Cost Design of Materials and Structures, Finland, May.

BOOK CHAPTER

- o F. Galvis, M. Bahamon, E.E. Muñoz, J.P. Smith-Pardo, and J. A. Rodriguez (2012), "Estudio del Comportamiento Dinámico del Viaducto Portachuelo Basado en Medidas de Vibraciones Ambientales", Edgar Eduardo Muñoz (Editor), Ingeniería de Puente, Volumen 3, pp. 249-292, Bogota: Ed. Gente Nueva, ISBN:978-958-716-566-1
- \$ Z D U G H G W K H 3 ' L R G R U R 6 D Q F K H] ' P H G D O E \ W
best local engineering publication in Colombia during 2012.

OTHER PUBLICATIONS

- o J.P. Smith-Pardo (2003), "Detailing of Beams and Columns for Earthquake Resistant Design According to Chapter 21 of ACI 318-02 (in Spanish)", First International Seminar on Structural Stability, Medellin-Colombia, December 2003.
- o J.P. Smith, and J. A. Ramirez (2003), "An Investigation on Transversely Prestressed Concrete Bridge Deck", Joint Transportation Research Program, Project No. SPR

TEACHING

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- o CEEGR 5220±3 U H V W U H V V H G & R Q F U H W H ' H V L J Q ' 6
- o MEGR 210 (formerly 210) ±Statics' (W12, W13, W14,W15)
- o CEEGR 220 (formerly 221) ±Mechanics of Materials I(F10, S11-12-13-14-15, F14, S15, F17)
- o CEEGR 250 (formerly 250) ±Residential Design(S11-12-13, F11-12)
- o CEEGR 445 (formerly 445) ±StructuralMechanics' (F11-12-14)
- o CEEGR 447 (formerly 447) ±Reinforced Concrete Design(W12-13-14-15,16,18)
- o Faculty Adviser for Senior Design Team
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Construction Support:

- o Construction Support for SAMexico International Cruise Terminal in Cozumel, Mexico
- o Construction Support for SAMexico Ferry Terminal in Cozumel, Mexico
- o Construction Support for Santa Marta Terminal International (SMITCO), Santa Ma Colombia.
- o Construction Support for Trailer Bridge Ramp and Turndeck Structure San Juan, Puerto Rico.

PROFESSIONAL
AFFILIATIONS

- o ASCE- American Society of Civil Engineers
- o SEAW- Structural Engineers Association of Washington
- o ASCE/COPRI Standard 610-3.6 HL Detailing Criteria for 3 LH UV D Q G (voluntary member)
- o Precast/Prestressed Concrete Institute (PCI)

SERVICE

- o Contributed to the development of MS in Structural Engineering Program at Sea University. 2013-2015.
- o Faculty library representative for the department of Civil and Environmental Engineering of Seattle University 2012-present
- o Member of the Academic Grievance Board for the College of Science and Engineering 2013-present
- o Member of the NSF Predoctoral Award Review Committee for the College of Science and Engineering, 2013 & 2014.
- o Proposal Review Panelist for the National Science Foundation 2014.
- o Faculty advisor for the annual ASCE/AISC Steel Bridge Competition 2010-present
- o O

- o Adviser IRU 06 F UHVH DUFK WKHVLV 36HOF para el estudio de la Interacción entre las Embarcaciones en Comportamiento Sísmico de Muelles 'HSDUWPHQW RI & LYLO' Universidad de los Andes, Bogotá Colombia (2017).
- o Co-director for MSc research thesis 'Selección y Modificación de Registros Sísmicos para Análisis No Lineal de Muelles' 'HSDUWPHQW RI & LYLO' (Q. los Andes, Bogotá Colombia (2015).
- o Co-director for MSc research thesis '(IHFWR GH OD & DUJD 9LYD (VWUXFWXUDV GH \$OPDFHQDPLHQWR GH XQ 3' Universidad de los Andes Bogotá Colombia (2014).
- o Co-director for undergraduate research thesis 'Modelación del Deslizamiento de Bloques Rígidos Sobre Estructuras Sometidas a Excitación' 'HQ OD %DVH' ' Civil Engineering, Universidad de los Andes Bogotá Colombia (2013).
- o Adviser for undergraduate research thesis 'Determinación de la Capacidad de Rotación de Fundaciones Superficiales bajo Carga Axial Constante y Momento Cíclico' Department of Civil Engineering, Escuela de Ingeniería de Antioquia (EIA), Medellín-Colombia (2012).
- o Co-director for undergraduate research thesis 'Comportamiento Dinámico del Viaducto Portachuelo Basándose en Mediciones'