

# J. Paul Smith, Ph.D., SE(OR), PE(OR, CA)

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 206-296-5901

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<b>EDUCATION</b>	2000-2004	Purdue University	W. Lafayette, Indiana
	Ph.D. in Civil Engineering (Structures)		
	o Dissertation Wall-Frame Structures with Vulnerable Foundations		
	1998-2000	Purdue University	W. Lafayette, Indiana
	M.S. in Civil Engineering (Structures)		
	o Thesis: Performance Related Specifications for Concrete Bridge Superstructures.		
	1992-1997	Universidad Nacional de Colombia	Medellín, Colombia
	B.S. in Civil Engineering, Summa Cum Laude		

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<b>EMPLOYMENT HISTORY</b>	Sept. 2016-Today	Seattle University	Seattle, Washington
	Associate Professor		
	Sept. 2010-Sept. 2016	Seattle University	Seattle, Washington
	Assistant Professor.		
	Sept. 2009 - June 2010	Seattle University	Seattle, Washington
	Adjunct Professor		
	Jan-Sept. 2010	Berger ABAM	Federal Way, Washington

Adjunct Professor.

June-Aug 2005 National Center for Research in Earthquake Engineering Taipei, Taiwan  
 Visiting researcher

Aug. 2004 June 2005 Purdue University W. Lafayette, Indiana  
 Instructor

Aug. 1998 Aug 2004 Purdue University W. Lafayette, Indiana  
 Research Assistant

June- Aug 2002 University of Tokyo Tokyo, Japan  
 Visiting Researcher

1998 Universidad Nacional de Colombia Medellin-Colombia  
 Instructor

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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 e d 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) <sup>3</sup> & 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) <sup>3</sup> (IIHF) We Rdad Objects on the Drift Response of Platform Structures Subjected to Unidirectional Ground M R W L R Q 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) ±Structural Mechanics (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 36 HOF para el estudio de la Interacción de las Embarcaciones en Comportamiento Sísmico de Muelles 'HSDUWPHQW' 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' 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'