

Vanessa Valentín, Ph.D.

Department of Civil Engineering
University of New Mexico
210 University BLVD NE, Albuquerque, NM 87106

Telephone: 505-277-0811
Fax: 505-277-1988
E-mail: vv@unm.edu

A. Professional Preparation

Institution	Major/Area	Degree	Year
University of Puerto Rico	Civil Engineering	B.S.	2005
Purdue University	Civil Engineering	M.S.	2007
Purdue University	Civil Engineering	Ph.D.	2011

B. Appointments

2011-present: Assistant Professor, University of New Mexico
2006 – 2011: Graduate Research Assistant, Purdue University, West Lafayette, Indiana.
2005 - 2006: Assistant Project Engineer, Comas & Comas Contractors, Cabo Rojo, Puerto Rico.
2005: Research Assistant, University of Puerto Rico at Mayaguez, Mayaguez, Puerto Rico.

C. Products

1. Valentin, V., Naderpajouh, N., Solis, F. (2013). "Exploring Shelter Logistics and Infrastructure Attributes during an Extreme Event using Agent-Based Modeling". 2013 ASCE International Workshop on Computing in Civil Engineering (IWCCE) June 23rd - 25th, University of Southern California , Los Angeles, California.
2. Sanabria, N., Kalhor, E., Valentin, V., Bogus, S., Zhang, G. (2013). " Computational GIS and Agent-Based Model Development for Routing Optimization to Facilitate Pavement Condition Data Collection". 2013 ASCE International Workshop on Computing in Civil Engineering (IWCCE) June 23rd - 25th, University of Southern California , Los Angeles, California.
3. Kalhor, E., Valentin, V., Bogus, S., Zhang, Sanabria, N. (2013). "Application of an Ordered-Probit model in Decision Making for Infrastructure Asset Management: A Case Study of Pavement Condition Assessment". CSCE 2013 General Conference, May 29th to June 1st, Montreal, Quebec.
4. Valentin V., Bogus, S.M. "Public Opinion as an Indicator of Social Sustainability of Construction Projects. ASCE Conference Proceedings, International Conference on Sustainable Design, Engineering and Construction", November 7th-November 9th, Fort Worth, TX.
5. Mostafavi, A., Valentin, V., Abraham, D. (2012). Assessment of the Effects of Qualitative Nighttime Factors on the Productivity of Asphalt Paving Operations: A Case Study. *Journal of Construction Engineering and Management*. American Society of Civil Engineers .138 (12) pp 1421-143
6. Valentin, V., Abraham, D. M., Mannering, F., and Mostafavi, A.(2012). Assessment of Public Opposition to Infrastructure Developments: The Case of Nuclear Power Projects, Proceeding of ASCE Construction Research Congress 2012, pp. 1550 – 1559, May 21 -23, 2012, Purdue University, West Lafayette IN.

7. Mostafavi, A., Abraham, D. M., Sullivan, C. A., and Valentin, V. (2011). Evaluation of Innovative Financing Alternatives as Options for Accelerating Infrastructure Projects. Electronic Proceedings of 3rd International/9th Construction Specialty Conference (CSCE 2011), June 14-17, 2011, Ottawa, Ontario, Canada.
8. Mostafavi, A., Valentin, V., Abraham, D. M. (2011). Research-to-Practice (R2P) Tools for Improving Safety in Nighttime Highway Construction Work Zones. Proceedings of Safety and Health in Construction, CIB W099, Jeffrey Lew, Ed., August 24-26 2011, Washington DC.
9. Valentin, V., Abraham, D. M., Mannering, F., Dunston, P.S. (2010). Evaluation of the Visibility of Workers' Safety Garments During Nighttime Highway-Maintenance Operations. *Journal of Transportation Engineering*, American Society of Civil Engineers. 136 (6), pp. 584-591.
10. Valentin, V., and Abraham, D. (2010). Assessment of Impacts of Organizations in Metrics of Capital Intensive Projects. Proceedings of Construction Research Congress (CRC) Conference: Innovation for reshaping construction practice, May 8-10, 2010, Banff, Canada.

D. Synergistic Activities

1. Have recruited and monitored the progress of Hispanic, female and African American students in STEM graduate programs.
2. Have mentored undergraduate and graduate Hispanic and female students in both research and academic programs.
3. Have worked as a graduate assistant in the Office of Multicultural Programs at Purdue University. Coordinated recruiting activities and performed student data analysis for improving retention rates.
4. Have participated in research-to-practice efforts presented at national conferences.
5. Have created, improved and taught classes involving risk assessments, decision-making and simulation modeling.