


### 1) 인적사항

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### 2) 학력

연도(부터~까지)	학력	전공	학위	비고
~1989.5	(미) United States Coast Guard Academy	Civil Engineering	Bachelor	
~1991.5	(미) The Pennsylvania State University	Civil Engineering	MSc	
~1996.5	(미) The Pennsylvania State University	Civil Engineering	Ph.D	
최종학위 논문제목	The Effect of Laboratory Age-Hardening of Asphalt Mixtures on Thermal Cracking Performance Predictions Using the Indirect Tensile Test			

### 3) 주요경력

연도(부터~까지)	기관	직위(직명)	비고
2000~현재	University of Utah	Associate (Tenured) Professor of Civil Engineering	
1999~2000	Soil And Land Use Technology, Inc.	On-site Manager	
1997~2000	Turner-Fairbank Highway Research Center	Laboratory Technical Manager	
1995~1997	EBA Engineering, Inc	Laboratory Technical Manager	
1990~1995	The Pennsylvania Transportation Institute	Research Assistant	

#### 4) 주요 학술연구실적

연구제목	연구기간	발표서적 및 학술지명	역 할	연구비 지급기관	비고
Prevention of Low Temperature Cracks			PI	Utah Dept. of Transportation, USA	
Mountain Plains Consortium Transportation Center			PI	US RITA	
Performance Evaluation of Highway Surface Treatments			PI	Utah Dept. of Transportation, USA	
Development of Natural Asphalt Using Utah Oil Sands			PI	Utah Gov's of Economic Development	
Implementation of Low Temperature Test for Asphalt Mixtures			PI	Utah Dept. of Transportation, USA	
Analysis and Evaluation of the Simple Performance Test			PI	Utah Dept. of Transportation, USA	
Utah's Engineers: A Statewide Initiative for Growth			Co-PI	National Science Foundation	
Full-Scale Testing of WC Series Buckling Restrained Braces			PI	Star Seismic LLC	
Evaluation of Superpave Program in Utah			PI	Utah Dept. of Transportation, USA	
Testing of Recycled Railroad Ties			PI	Resyk Corporation, Brigham City, Utah	

5) 연구실적

가) 국외전문학술지

년 도	제 목	공동저자	게재지명	권	호	수록 페이지	SCI	I.F
2013	Characterizing the Low-Temperature Viscoelastic Behavior of Asphalt Mixtures: A Comparative Study	Ho, Chun-Hsing, and Pedro Romero	International Journal of Pavement Research and Technology	6	5	479-487	○	
2013	Using Linear Viscoelastic Modeling to Evaluate the Low Temperature Properties of Asphalt Mixtures Prepared with Aggregates of Different Sizes	Ho, Chun-Hsing, and Pedro Romero	Advances in Civil Engineering Materials	2	1	122-139	○	
2011	Alternative function to represent relaxation modulus of viscoelastic materials	Ho, Chun-Hsing, and Pedro Romero	Journal of Materials in Civil Engineering	24	2	152-158	○	
2010	Rehabilitation of splice connections of wood trusses with FRP composites	Pantelides, C. P., P. Romero, and L. D. Reaveley	Construction and Building Materials	24	1	37-45	○	
2001	Superpave Shear Tester as a Simple Standardized Measure to Evaluate Aggregate-Asphalt Mixture Performance	Shenoy, Aroon, and Pedro Romero	Journal of testing and evaluation	29	5	472-484		
2001	Relationship between the representative volume element and mechanical properties of asphalt concrete	Romero, P., and E. Masad	Journal of materials in civil engineering	13	1	77-84		
2000	Specification Parameter for Asphalt Mixtures Using Frequency Sweep Data from the Superpave Shear Tester	Shenoy, Aroon, and Pedro Romero	Road Materials and Pavement Design	1	1	75-96		
1998	Evaluation of the superpave shear testing using 19-mm mixtures from the Federal Highway Administration's accelerated loading facility	Romero, Pedro, and Walaa Mogawer	Journal of the Association of Asphalt Paving Technologist	67		573-601	○	
1995	Prediction of Asphalt Pavement Structural Layer Moduli Using Optimized FWD Configuration	Roque, R., Romero, P., Shen, X., and Ruth, B. E.	Journal of the Association of Asphalt Paving Technologist	64		278-305	○	

나) 국외학술회의 발표

년 도	제 목	공동저자	게재지명	권	호	수록 페이지
2015	Creating a Performance-Based Asphalt Mix Design to Incorporate Oil Sands	Vrtis, M. and Romero, P.	ASCE/T&DI International Airfield and Highway Pavement Conference			
2015	Evaluating the Effect of Air Voids and Binder Content in Cold Temperature Testing of Asphalt Mixtures Using the Bending Beam Rheometer	Sudbury, D. S., Romero, P., Li, Y., and Gong, X.	Cold Regions Engineering			
2015	Multiple Labs Repeatability of Low Temperature Testing of Asphalt Mixtures Using the Bending Beam Rheometer	Li, Y., Romero, P., Sudbury, D., and Allen, C.	Cold Regions Engineering			