PRIYANTHA W. JAYAWICKRAMA, Ph.D.
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Professional Preparation

Ph.D.	1990	Texas A & M University, Civil Engineering
M.S.	1985	Texas A & M University, Civil Engineering
B.S. (Honors)	1980	University of Peradeniya, Sri Lanka

Professional Chronology

1996-present	Associate Professor, Department of Civil and Environmental Engineering, Texas Tech University, Lubbock, TX
1998-2006	Director, Center for Multidisciplinary Research in Transportation, Texas Tech University, Lubbock, TX
1990-1996	Assistant Professor, Department of Civil and Environmental Engineering, Texas Tech University, Lubbock, TX
1983-1990	Graduate Research Assistant, Department of Civil Engineering, Texas A & M University, College Station, TX
1980-1982	Assistant Lecturer, Department of Civil Engineering, University of Peradeniya, Sri Lanka

Research Interests

Soil-structure interaction
Geotechnical systems in transportation
Analysis and design of earth retaining structures
Bridge foundations and bridge approach appurtenances
Analysis and load rating of culvert systems
Geomaterials in pavement construction
Unsaturated soil behavior

Honors/Awards

2009	Texas Section ASCE Best of the Session (Geotechnical) Paper Award, for the paper entitled Performance Evaluation of an MSE/Soil Nail Hybrid Wall
2005	Charles L. Burford Teaching Excellence Award, College of Engineering, Texas Tech University
2005	Recognized as an Outstanding Educator by the Texas Tech Forum Chapter of Mortar Board, based on nomination by Civil Engineering undergraduate student, Nathan Nash
2004	George T. and Gladys Hanger Abell Teaching Excellence Award, College of Engineering, Texas Tech University
2001	Texas Department of Transportation Top Innovator Award for contributions through Research Project 0-1771: Micro-Deval Test for the Evaluation of Aggregate Durability
1994	Hemphill-Wells New Professor Excellence in Teaching Award, College of Engineering Nominee.
1993	Texas Tech University Ex-Students' Association New Faculty Award for College of Engineering

Synergistic Activities

Committee Member*:* Earth Retaining Structures, Geo-Institute, ASCE(2012-Present); AFS10, TRB Committee on Transportation Earthworks (2006-2014); AFP60, TRB Committee on Engineering Behavior of Unsaturated Soils (2007-Present)

Member, Editorial Board, Journal of Geotechnical and Geoenvironmental Engineering, ASCE; (1996-2003)

Member, Technical Advisory Panel, Research Management Committee on Structures, Texas Department of Transportation (1999-2013).

Reviewer, ASCE Journal of Geotechnical and Geoenvironmental Engineering, Transportation Research Record-TRB, ASCE Journal of Performance of Constructed Facilities

International Advisor, Sri Lankan Geotechnical Society (SLSA)

Selected Publications

1. Wood, Timothy A., William D. Lawson, and Priyantha W. Jayawickrama (2015), "Influence of Cover Soil Depth on RC Box Culvert Load Rating," Vol. 2511, pp. 63-71, Transportation Research Record, Journal of the Transportation Research Board, Transportation Research Board of the National Academies, Washington D C.
2. Jayawickrama, Priyantha W., William D. Lawson, Timothy A. Wood, and James G. Surles (2015), "Pullout Resistance Factors for Steel MSE Reinforcements Embedded in Gravelly Backfill," Journal of Geotechnical and Geoenvironmental Engineering, Vol.141, Issue 2.
3. Wood, Timothy A., William D. Lawson, Priyantha W. Jayawickrama, and Charles D. Newhouse (2014), "Evaluation of Production Models for Load Rating Reinforced Concrete Box Culverts," Journal of Bridge Engineering, Vol.20, Issue 1,.
4. Lawson, W., Jayawickrama, P., Wood, T. A., Surles, J. (2013), "Evaluation of AASHTO Default Values for Pullout Resistance Factor, F* for Steel and Grid Mat Reinforcement," Accepted for publication in Transportation Research Record, Journal of the Transportation Research Board, No.2462, pp.1-7.
5. Lawson, W., Jayawickrama, P., Wood, T. A., Surles, J. (2013), "Pullout Resistance Factors for Inextensible MSE Reinforcements Embedded in Sandy Backfill," Transportation Research Record, Journal of the Transportation Research Board, Vol. 2363: Soil Mechanics 2013, pp.21-29.
6. Jayawickrama, Priyantha W., William D. Lawson, Timothy A. Wood, James Surles and Asitha J. Senanayake (2012), "Effect of Skewing and Splaying on Pullout Capacity of Steel Reinforcement in Mechanically Stabilized Earth Structures," Transportation Research Record, Journal of the Transportation Research Board, Vol. 2310: Soil Mechanics 2012, pp. 81-89.
7. Ryu, S., Jaiswal, H., Choi, S., Senadheera, S., Jayawickrama, P., Won, M.-C.(2012), "Rational Use of Terminal Anchorages in Portland Cement Concrete Pavements," Transportation Research Record, Journal of the Transportation Research Board, Vol. 2305: Pavement Management 2012, Vol. 2, pp. 62-73.
8. Mishra, Debakanta, Jayawickrama, Priyantha W and Phillip T. Nash (2010), "Development of Maintenance Strategies to Mitigate Bridge End Damage due to Water Intrusion," Transportation Research Record, Journal of the Transportation Research Board, Vol. 2170, pp. 56-63.
9. Jayawickrama, Priyantha W., M. Shabbir Hossain, and Frank Phillips (2006), "Evaluation of Aggregate Durability Using Micro-Deval Test," Journal of ASTM International, Vol. 4, No.1.
10. Gong,, Jie, Jayawickrama, Priyantha W., and Tinkey, Yajai (2006), "Non-destructive Evaluation of Installed Soil Nails," Transportation Research Record, Journal of the Transportation Research Board, Vol. 1976, pp.71-80.