

Curriculum Vita:

L. David Suits

EDUCATION

- Bachelor of Science – Civil Engineering – Clarkson College of Technology (now Clarkson University) – 1967
- Master of Science – Civil Engineering – Clarkson College of Technology - 1969

PROFESSIONAL EXPERIENCE

- Retired, May 2005 – NYSDOT Geotechnical Engineering Bureau
 - Employed from September 1968 to May 2005
 - Soils Engineering Laboratory Supervisor – 1976 – 2005
- Instructor at 25 – 30 training sessions for qualifying NYSDOT technicians in the performance of visual descriptions of soils. Received in-house training on class preparation and presentation.
- As supervisor of the Soil Mechanics Laboratory I oversaw the performance of all foundation design testing done in conjunction with the Department's \$1 billion design and construction program. This included strength, consolidation, permeability, and model testing. I also oversaw the Department's geosynthetic acceptance and quality assurance process. This included testing and evaluating of geosynthetic products for strength, water flow, and soil retention characteristics. Responsible for the quality assurance process following approval of the geosynthetics.
- In the past I have overseen projects which have included model testing designed to develop the Department's specification for underdrain filter material. Also included are projects to investigate constant rate of strain consolidation testing, triaxial extension testing, resilient modulus testing, and permeability testing of various drainage media. The work has also included the development of ASTM Standard Test Methods for geosynthetic testing.
- July 2004 – NHI Geosynthetics Course, Rochester, NY – State representative presentation
- At least two other presentations for above course offerings held at NYSDOT
- Instructor Team Member for the National Highway Institute "Designing with Geosynthetics" Course
- Adjunct Professor – Rensselaer Polytechnic Institute, Troy, NY; "Designing with Geosynthetics," Spring 2006 and Spring 2009 Terms
- Various professional presentations on geosynthetics in my current position as Executive Director of the North American Geosynthetics Society
- November 2016 – Present – LDS Geosynthetics Consultant Services
- Presenter for 30+ training sessions on geosynthetics.

PROFESSIONAL AFFILIATIONS

- ASTM International – Member since 1977
 - Past Member, Committee D13 on Textiles
 - Member, Committee D04 on Paving Materials
 - Member, Committee D18 on Soil and Rock – Past Co-editor of the ASTM International Geotechnical Testing Journal

- Founding Member, Committee D35 on Geosynthetics – Past chairperson (Four 3 year terms)
- Past Chairperson of D35.03 on Permeability and Filtration
- Current Chairperson of D35.06 on Geosynthetic Specifications
- Member 2005 - 2010, ASTM International Committee on Publications
- Past Member of ASTM International Committee on Technical Committee Operations: Past chairperson of subcommittee on Technical Committee Operations
- Past Member of ASTM International Committee on Nominations
- Past member of ASTM International Award of Merit Committee

- Transportation Research Board of the National Academies – Member –
 - Past Chairperson of Group AF000 on Design and Construction
 - 8 sections with a total of 56 committees under the jurisdiction
 - Past Chairperson of Section AFS00 on Soil Mechanics
 - 9 committees under the jurisdiction
 - Past Chairperson of Committees AFS60 on Subsurface Drainage and AFS70 on Geosynthetics – Emeritus Member of AFS70
 - Past member 7 National Highway Research Program Project Panels
 - Member of Transportation Research Record Publication and Editorial Board
 - Member of Strategic Highway Research Program(SHRP) 2 Technical Expert Task Group on Geotechnical Solutions for Soil Improvement, Rapid Embankment Construction, and Stabilization of the Working Platform
 - Past Member of NCHRP IDEA Panel

- AASHTO
 - Past chairperson of the National Transportation Product Evaluation Program project panel on geosynthetics
 - Past member of Task Force 25 on Geotextiles leading to Specification M-288 on Geosynthetics
 - Successful in incorporating ASTM geotextile standards into this material specification.
 - Past member of Task Force for revision of Specification M-288
 - Successful in incorporating additional ASTM geotextiles standards into this revision.

- Geosynthetics Institute – Folsom, PA
 - Past Member of the Board of Directors
- North American Geosynthetics Society
 - Past President of the Board of Directors
 - Executive Director 2005 – Nov. 2016
- International Organization for Standardization
 - Past Chairperson of ISO Technical Committee 221 on Geosynthetics
 - Personal goal of reducing duplication of efforts in standardization of geosynthetics.
- ASCE – Geo-Institute
 - Member

- Conference Chairperson
 - Geosynthetics Conference 2001 – Technical Committee Chairperson
 - Geosynthetics Conference 2003 – Conference Chairperson
 - Geosynthetics Conference 2007 – Conference Chairperson
 - Geo-Frontiers 2011 – Conference Co-Chairperson of cooperative conference with American Society of Civil Engineers-Geo-Institute, Industrial Fabrics Association International, and North American Geosynthetics Society
 - Geosynthetics Conference 2013 – Short Course Chairperson
 - Geosynthetics Conference – Organizing Committee member
 - Geotechnical Frontiers Conference 2017 – Short Course Chairperson
- Registered PDH provider through RCEP

PUBLICATIONS

- **Representative Publications**
 - Author or co-author of 28 articles or papers related to geosynthetics.
 - Representative Papers/Articles
 - Co-Author, January 1985, “The Effectiveness of Prefabricated Drains on the Laboratory Consolidation of Remolded Soils,” L.D. Suits, R. L. Gemme, J. J. Masi, Committee D18 Symposium on Consolidation of Soils: Testing and Evaluation, Fort Lauderdale, FL, ASTM STP 892, R. N. Yong and F. C. Townsend, Eds. January 1985
 - Co-Author, June 1985, “Geotextiles and Drainage,” L. D. Suits & T. P Hoover: ASTM Committee D35 Symposium on Geotextile Testing and the Design Engineer, Los Angeles, CA, ASTM STP 952, Joseph E. Fluet, Jr. Ed., June 1985
 - Author, September 1986, “The Use of Geotextiles in Transportation Facilities, L. D. Suits: American Chemical Society “Hi-Tech Textiles” Symposium, Miami, FL, Sept. 1986
 - Author, Forward: Section 12, “Silt Fences,” L. D. Suits, “A Design Primer: Geotextiles and Related Materials,” Industrial Fabrics Association International, St. Paul, MN 1990
 - Author, January 1993, “Accelerated Testing of Geosynthetics,” L. D. Suits: ASTM Committee G3 Symposium on Accelerated and Outdoor Durability Testing of Organic Materials, ASTM STP 1202, Warren Katola and Douglas Grossman, Eds., Fort Lauderdale, FL., Jan. 1993
 - Author, February, 1994, Kirk-Othmer Encyclopedia of Chemical Technology: 4th Edition -Geotextiles@: L. D. Suits. John Wiley & Sons, Publishers: New York, NY
 - Co-Editor, June 1995, ASTM “STP 1281, Recent Developments in Geotextile Filters and Prefabricated Drainage Geocomposites,” Committee D35 Symposium by the Same Name, Denver, Co., June 1995, L. D. Suits, S. K. Bhatia, Eds.
 - Co-Editor, June 1999, “ASTM STP 1390, Testing and Performance of Geosynthetics in Subsurface Drainage,” Symposium by the Same

Name Co-sponsored by ASTM Committees D35 and D18, and TRB Committees on Subsurface Drainage, and Geosynthetics, L. D. Suits, J. B. Goddard, J. S. Baldwin, Eds. Seattle WA., June 1999

- Author – “Geosynthetic Research in the United States,” L. D. Suits, FORUM Geosynthetics 2000, St. Hyacinthe, Quebec, Canada, Feb., 2000
 - Author - “AASHTO/NTPEP and Specification M-288 for Geotextiles,” L. D. Suits, 18th Central Pennsylvania Geotechnical Conference, Hershey, PA, November, 2000
 - Co-author – “The Realities of International Geosynthetics Standardization,” L. D. Suits, R. Mackey, Sam Allen; presented in Seoul, South Korea, April 2003
 - Co-author –“ Assessing Photo Degradation of Geosynthetics by Outdoor Exposure and Laboratory Weatherometers” L. D. Suits, Grace Hsuan; Geotextiles and Geomembranes 21 (2003)
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- Author of 8 ASTM geosynthetic standards.
 - D4355 – Deterioration of Geotextiles by Exposure to Light, Moisture and Heat in a Xenon Arc Type Apparatus
 - D4759 – Determining Specification Conformance of Geosynthetics
 - D4355 – Sampling of Geosynthetics for Testing
 - D4751 – Determining the Apparent opening Size of a Geotextile
 - D5199 – Measuring the Nominal Thickness of Geosynthetics
 - D4491 – Determining the Water Permeability of Geotextiles by Permittivity Method
 - D6918 – Testing Vertical Strip Drains in the Crimped Condition
 - D7498 - Standard Test Method for Vertical Strip Drains Using a Large Scale Consolidation Test

HONORS & AWARDS

- New York State Employee Suggestion Award for X-Ray of Soils - 1976
- ASTM 1986 Award of Merit for geotextile test standardization - 1st Recipient from Committee D35 - Highest Award given to ASTM committee members - Title of Fellow
- New York State Department of Transportation "Excellence in Engineering" Award - 1991 - for work in geosynthetics
- New York State Department of Transportation "Award of Excellence" - 1995 - for work in the revision of AASHTO Specification M-288 on Geotextiles
- Recognition by ASTM Committee D35 for 20 years participation as a founding member of the Committee – June 2004.
- Member Emeritus of Transportation Research Board Committee on Geosynthetics – 2006 to present
- International Geosynthetics Society Achievement Award for work within the North American Geosynthetics Society – 2006

- ASTM International Recognized Committee D18 on Soil and Rock A. Ivan Johnson Award – 2013
- ASTM International Recognized Committee D35 on Geosynthetics established the L. David Suits Award – 2014 – First recipient
- ASTM Committee D35 on Geosynthetics – Recognized for 41 years of service. – June 2019