

**TUNCER B. EDIL, P.E., Distinguished Member ASCE, Diplomate of Geotechnical Engineering**

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**Education:** Ph.D. (Civil Engineering) Northwestern University, June, 1973  
M.S. (Civil Engineering) Robert College, January, 1969  
B.S. (Civil Engineering) Robert College, June, 1967

**Positions Held:**

Professor Emeritus, University of Wisconsin-Madison, 2013  
Professor, Departments of Civil & Environmental Engineering, University of Wisconsin-Madison, 1980 to present (also Professor of Geological Engineering, 1992 to 2012)  
Director, Wisconsin Highway Research Program, University of Wisconsin-Madison, 2012-2015  
Director, Recycled Materials Resource Center-3G, University of Wisconsin-Madison, 2012-present  
Research Director, Recycled Materials Resource Center, University of Wisconsin-Madison, 2007-2011  
Chair, Geological Engineering Program, University of Wisconsin-Madison, 2002-2007; 2008-2009  
Associate Professor, Departments of Civil & Environmental Engineering and Engineering Mechanics, University of Wisconsin-Madison, 1977-80  
Assistant Professor, Departments of Civil & Environmental Engineering and Engineering Mechanics, University of Wisconsin-Madison, 1973-77  
Occasional Lecturer, Department of Engineering Professional Development, University of Wisconsin-Madison, 1975 to present  
Lecturer, Department of Civil Engineering, Northwestern University, 1973  
Engineer, Mirza Engineering Company, Chicago, Illinois, 1970  
Teaching Assistant, College of Architecture, University of Illinois-Chicago Circle, 1969  
Bridge Engineer, The Ministry of Village Affairs, Istanbul, Turkey, 1969  
Partner, Mono Engineering Firm, Istanbul, Turkey, 1967-69

**Registered Professional Engineer:** Registered Professional Engineer in Wisconsin (#E-14606 - 3/14/1975)

**Consulting Activities:** Served as consultant on geotechnical, geoenvironmental and transportation geotechnics problems to engineering firms and government agencies; major assignments were with:

Warzyn Engineering and Service Co., Inc., Madison, WI  
Ashland County Soil-Water Conservation District, Ashland, WI  
Wisconsin Department of Transportation, Madison, WI  
Wisconsin Department of Natural Resources, Madison, WI

Wisconsin Coastal Zone Management Program, Madison, WI  
 Southeastern Wisconsin Regional Planning Commission, Waukesha, WI  
 Bay Lake Regional Planning Commission, Greenbay, WI  
 Soils and Engineering Services, Inc., Madison, WI  
 Wisconsin Steel Pipe Manufacturers, Madison, WI  
 Strand Associates, Inc., Madison, WI  
 Madison Metropolitan Sewerage District, Madison, WI  
 United States Park Service, Bayfield, WI  
 General Directorate of State Hydraulic Works, Ankara, Turkey  
 Mead & Hunt, Inc., Madison, WI  
 Geotechnical Engineering Corporation, Roseville, MN  
 Call & Nicholas, Inc., Tucson, AZ  
 Sitka Corporation, Kirkland, WA  
 RMT, Inc., Madison and Milwaukee, WI  
 STS Consultants, Ltd., Milwaukee, WI and Northbrook, IL  
 Infracon, Inc., Northfield, IL  
 Taliesin Preservation Commission, Spring Green, WI  
 U.S. Army Corps of Engineers via Earth Tec, Inc., Oak Brook, IL  
 Johns Manville International, Inc., Waukegan, IL  
 Beacon Ballfields, Inc. Middleton, WI  
 Manitowoc Co., Manitowoc, WI  
 Montgomery Watson, Madison, WI  
 Ayres Associates, Inc., Eau Claire, WI  
 Earth Tech, Inc., Milwaukee, WI  
 Natural Resource Technology, Inc., Pewaukee, WI  
 Deep Foundations Institute, Hawthorne, NJ  
 Liesch Associates, Inc., Plymouth, MN  
 Field Turf Tarkett, Montreal, Canada  
 Alvarado & Daring, Panama  
 SmithGroupJJR, Madison, WI  
 US Environmental Protection Agency, Washington D.C.  
 U.S. Army Corps of Engineers via Noblis, Inc., Falls Church, VA  
 HEY and Associates, Inc, Volo, IL  
 Environ International Corporation, Brookfield, WI  
 City of Oak Creek, WI through Godfrey & Kahn, S.C.  
 Geosyntec Consultants, Atlanta, GE  
 AHP Power Ash, Villanova, PA  
 Montgomery Associates, Wauwatosa, WI  
 Michels Corporation, Brownsville, WI

**Served as academic consultant to:**

Bandung Institute of Technology, Indonesia  
 Surabaya Institute of Technology, Indonesia  
 Istanbul Technical University, Turkey  
 Middle East Technical University, Turkey  
 Yildiz Technical University, Turkey  
 King Fahd University of Petroleum and Minerals, Saudi Arabia  
 Nazarbayev University, Kazakhstan

**Served as expert witness to law firms; major assignments were with:**

Hinshaw & Culbertson LLP, Milwaukee, WI, 2006, submarine pipe failure  
 DeWitt Ross & Stevens S.C., Madison, WI, 1997, on building settlement  
 Petrie & Stocking S.C., Milwaukee, WI, 1997, on soil collapse and settlement  
 Rivkin, Radler & Kremer, Chicago, IL, 1996, on riverbank stability  
 Bad River Indians Legal Office, Odanah, WI, 1996 on building settlement  
 Godfrey, Braun & Hayes, Milwaukee, WI, 1996 on sewer pipe collapse  
 Fitzgerald, Schorr, Barmettler & Brennan, P.C., Omaha, NE, 1995, on well sealing  
 Foley & Lardner, Attorneys at Law, Madison, WI, 1995, on landfill liner construction  
 Jenner & Block, Chicago, IL, 1991, on landfill vertical expansion  
 John Sosey, Attorney at Law, Milwaukee, WI, 1993, on coastal slope stability  
 Witkin, Weiby, Maki & Durst, Superior, WI, 1985, on seepage cell performance  
 Michael, Best & Friedrich, Milwaukee and Madison, WI, 1983 and 1984, on coastal slope stabilization; 1984, on earth construction  
 Ross & Stevens, Madison, WI, 1984, on sanitary landfill siting; 1991 on peat settlement  
 Wickwire, Gavin & Gibbs, Madison, WI, 1981, on clay liner failure; 1989, on excavation dewatering; 1996, on breakwater armor stone density  
 Phelan, Pope & John, Ltd., Chicago, IL, 1982, on retaining wall collapse  
 Geisler & Kay, Madison, WI, 1981, on steel pipe corrosion  
 Quarles & Brady, Milwaukee, WI, 1977, on shore erosion  
 Gekas & Associates Ltd, Chicago, IL, 2009, soft ground  
 Yost & Baill, LLP, Milwaukee, WI, 2012, shore erosion and landslide  
 Mueller, Goss & Possi, S.C., Milwaukee, WI, 2012, bluff erosion and landslide  
 McNeely Stephenson, LLC, Indianapolis, IN, 2016, building settlement, recycled materials  
 Axley Brynelson, LLP, Madison, WI, 2018, ground compaction and freezing  
 Franco Moroney Buenik, LLC, Chicago, IL 2019, trenchless technology

**Personal Honors and Awards:**

American Society of Civil Engineers, 2013 Distinguished Member  
 American Society of Civil Engineers, 2013 Karl Terzaghi Award  
 American Society of Civil Engineers, Wisconsin Section, Distinguished Service Award, 2010  
 American Society for Testing and Materials, Committee D18 on Soil and Rock, Award of Merit, 2018  
 Woodland G. Shockley Memorial Award 2017  
 Technical Editors Award for STP 1540, 2013  
 Standard Development Award, 1992, 1996, 2013; 2017, 2020  
 Special Service Award, 1997, 2001, 2013  
 Great Lakes Annual Geotechnical and Geoenvironmental Conference Steering Committee, The Award of Excellence as the Outstanding Geotechnical Engineering Educator in the Region, 2010  
 American Society of Civil Engineers Geo-Institute, Academy of Geo Professionals, Diplomate of Geotechnical Engineering, 2010  
 U.S. Universities Council on Geotechnical Education & Research, Distinguished Researcher Award, 2008  
 Republic of Turkey, Scientific and Technological Research Council, Special Science Award, 2007

U.S. Universities Council on Geotechnical Education & Research, Distinguished Service Award, 2007  
 Fellow, American Society of Civil Engineers, 2007  
 Fellow, American Society for Testing and Materials, 2018  
 Cited for being on the "A-List" for Geosynthetics Education and Research, *Geotechnical Fabrics Report*, v.23, no.8, p.3, 2007  
 Industrial Fabrics Association International, International Achievement Award, Geosynthetics Projects, 2003  
 American Society of Civil Engineers, Wisconsin Southwest Branch, Outstanding Civil Engineer Award, 1999  
 University of Wisconsin-Madison, Polygon Engineering Council, Outstanding Instructor Award, 1992  
 Republic of France, Stage Haut Niveau (High Level Exchange) Fellowship Award, 1991  
 American Society of Civil Engineers, Wisconsin Section, Award of Merit for Individual Achievement as an Engineer in Education, 1988  
 American Society for Engineering Education, North-Midwest Section, Dow Outstanding Young Faculty Award, 1980  
 American Society of Civil Engineers, Wisconsin Section, Young Civil Engineer of the Year Award, 1977  
 W. P. Murphy Scholarship (Northwestern University), 1969-72  
 NATO Doctoral Fellowship, 1969-72

### Medals

L.N. Gumilyov Eurasian National University of Kazakhstan Medal (2012),  
 Kazakh Geotechnical Society Medal of Sh. M. Aitaliev (2015),  
 Kazakh Ministry of Transportation Medal for Contribution to Road Science (2015)

### Paper Awards

Barton Thomas Memorial Award for Excellence in the Field of Ash Research 2015:  
 Angela Pakes Ahlman, Tuncer B. Edil, Bharat Madras Natarajan, Kelly Del Ponte:  
 "System Wide Life Cycle Benefits of Fly Ash." 2015 World Coal Ash Conference.  
 ASCE 2013 Thomas A. Middlebrooks Award:  
 C. A. Bareither, R. J. Breitmeyer, C. H. Benson, M. A. Barlaz and T. B. Edil, "Deer Track Bioreactor: Field-Scale Evaluation of Municipal Solid Waste Bioreactor Performance." *Journal of Geotechnical and Geoenvironmental Engineering*, American Society of Civil Engineers, 2012, Vol. 138, No. 6, pp. 658-670  
 Honorable Mention as one of the Best Papers Published in *Geosynthetics International* in 2013:  
 B. F. Tanyu, A. H. Aydilek, A. W. Lau, T. B. Edil and C.H. Benson, "Laboratory Evaluation of Geocell-Reinforced Gravel Subbase over Poor Subgrades," *Geosynthetics International*, 2013, Vol. 20, No. 2, pp. 47-61.  
 Honorable Mention as one of the Top Five Papers Published in *Geotextiles and Geomembranes* in 2012:  
 C. H. Benson, T. B. Edil and X. Wang, "Evaluation of a Final Cover Slide at a Landfill with Recirculating Leachate," *Geotextiles and Geomembranes*, 2012, 35:100-106.  
 ASCE Geo Institute Unsaturated Soils Committee, Nomination for paper awards in 2010:  
 A. Sawangsuriya, T. B. Edil and P. J. Bosscher, "Modulus-Suction-Moisture Relationship for Compacted Soils in Post-Compaction State," *Journal of Geotechnical*

- and Geoenvironmental Engineering*, American Society of Civil Engineers, 2009, Vol. 135, No. 10, pp. 1390-1403
- Transportation Research Board, Nomination for AFP00 – Geology and Properties of Earth Materials Section Best Paper Award, 2008 and for TRB Practice-Ready Paper Award 2009 :
- A. Sawangsurriya, T.B. Edil, and C.H. Benson, "Effect of Suction on the Resilient Modulus of Compacted Fine-Grained Subgrade Soils," *Transportation Research Board*, 2009, Paper 09-3614.
- Global Waste Management Symposium, Second Paper Award, 2008:
- C. Bareither, R. Breitmeyer, S. Erses, C.H. Benson, T.B. Edil, and M. Barlaz, "Relative Contributions of Moisture and Biological Activity on Compression of Municipal Solid Waste in Bioreactor Landfills," *Proceedings*, Global Waste Management Symposium, 2008, Penton Media, Orlando, pp. 1-9.
- Global Waste Management Symposium, Third Paper Award, 2008:
- R. Breitmeyer, C. Bareither, C.H. Benson, T.B. Edil, and M. Barlaz, "Field-Scale Lysimeter Experiment to Study Hydrologic and Mechanical Properties of Municipal Solid Waste," *Proceedings*, Global Waste Management Symposium, 2008, Penton Media, Orlando, pp. 1-11.
- Honorable Mention as one of the Best Papers Published in Geosynthetics International in 2007:
- C. H. Abdullah, and T. B. Edil, "Behavior of Geogrid-Reinforced Load Transfer Platforms for Embankment Supported on Rammed Aggregate Piers," *Geosynthetics International*, 2007, Vol. 14, No. 3, pp. 141-153.
- National Association of Government Communicators, Technical Report Category, Blue Pencil Award for Professional Paper 1693, *Formation, Evolution, and Stability of Coastal Cliffs-Status and Trends*, published by the U.S. Geological Survey, 2004
- List of best papers published by ASCE-Geotechnical Engineering Division in 2001:
- J. Y. Kim, T. B. Edil and J. K. Park, "Volatile Organic Compound (VOC) Transport Through Compacted Clay," *Journal of Geotechnical and Geoenvironmental Engineering*, American Society of Civil Engineers, Vol. 127, No. 2, 2001, pp. 126-134
- American Society of Civil Engineers, Journal of Cold Regions Engineering Award for the Best Paper, 1989:
- T. B. Edil, C. J. Roblee and C. A. Wortley, "Design Approach for Piles Subject to Ice Jacking," *Journal on Cold Regions Engineering*, American Society of Civil Engineers, Vol. 2, No. 2, 1988, pp. 65-85
- List of best papers published by ASCE-Geotechnical Engineering Division in 1994:
- T. B. Edil and Evert J. den Haan, "Settlement of Peats and Organic Soils," *Settlement '94*, Specialty Conference of the American Society of Civil Engineers, Geotechnical Engineering Division, College Station, TX, Vol. 2, 1994, pp. 1543-1572

### **Project and Team Awards**

- Team Award for Electroosmotic Pulse Technology (served as Academic Team Member), 2000
- Civil Engineering Research Foundation, Charles Pankow Innovative Application Award Finalist, Electroosmotic Pulse Technology to control water intrusion in buried concrete structures, (served as Collaborator to the U.S. Army Construction Engineering Research Laboratory, Champaign, IL), 1999

- American Society of Civil Engineers Wisconsin Section, Engineering Achievement Award Honoring the Madison Metropolitan Sewerage District Contaminated Sludge Lagoon Capping (served as Design Engineer and Consultant), 2002
- American Society of Civil Engineers Wisconsin Section, Engineering Achievement Award Honoring the Bender Park Waterfront Development (also nominated by the Wisconsin Section for the national Outstanding Civil Engineering Achievement Award) (served as Sub-Consultant for slope modification), 2001
- U.S. Army Construction Engineering Research Laboratory, Research Product Development American Society of Civil Engineers, Outstanding Large Section Award for Zone III, (served as President of Wisconsin Section during the award year), 1999
- Consulting Engineers Council of Minnesota, Honor Award, Veteran's Memorial Park-Pathways and Amphitheater Project, Richfield, MN, (served as Technical Consultant on this project to Geotechnical Engineering Corporation, Roseville, MN), 1989

### **Honorary Societies:**

- Sigma Xi (research)
- Chi Epsilon (civil engineering)

### **Listings:**

- Who's Who in America, 1996, 2004, 2008, 2012, 2014, 2016, 2018, 2019
- Who's Who in American Education, 2003
- Who's Who in the World, 1994
- International Man of the Year, 1992-93
- Who's Who in Science and Engineering, 1993
- Men of Achievement, 1993
- Who's Who in Environmental Registry, 1992
- American Men and Women of Science, 1991
- Who's Who in the Midwest, 1991
- International Leaders in Achievement, 1988
- Biography of the Year, First Presidential Edition, 1986-87
- Five Thousand Personalities of the World, 1986
- The International Directory of Distinguished Leadership, 1986
- Personalities of the Americas, First Commemorative Edition, 1987
- International Who's Who in Engineering, 1983
- Who's Who in Technology Today, 1981

### **Professional Societies:**

- Academy of Geo Professionals
- American Society of Civil Engineers
- American Society for Testing and Materials
- Transportation Research Board
- International Society of Soil Mechanics and Foundation Engineering
- U.S. Universities Council on Geotechnical Education & Research
- International Geosynthetics Society
- International Association of Foundation Drilling (affiliate)
- American Coal Ash Association (affiliate)

### Professional Activities:

- Member, Committee ADC60 on Waste Management and Resource Efficiency in Transportation, Transportation Research Board, 2011-present
- Member, Committee AFS 80 on Cementitious Stabilization, Transportation Research Board, 2010-2012
- Founding Chair, Subcommittee D18.14 on Geotechnics of Sustainable Construction, American Society for Testing and Materials, 2007-2013
- Representative of the U.S. National Committee and Core Member of the International Committee TC-3 on Geotechnics of Pavements, International Society of Soil Mechanics and Geotechnical Engineering, 2002-present
- Founding Chair, Geo Institute International Activities Council, American Society of Civil Engineers, 2000-2004 (Member 2005-present)
- Member, Geo Institute Awards Committee, American Society of Civil Engineers, 2005-present
- President, American Society of Civil Engineers - Wisconsin Section Board of Directors, 1997-98 (Director 1990-93; Vice President, 1995-96; President Elect, 1996-97; Past President, 1998-99)
- President, Board of Directors, U.S. Universities Council on Geotechnical Engineering Research, 1993-1994 (Treasurer, 1991-93; Past President, 1994-96)
- Representative of the U.S. National Committee and Core Member of the International Committee TC-15 on Peats and Organic Soils, International Society of Soil Mechanics and Foundation Engineering, 1986-2001
- Member, Geo Institute Task Forces, American Society of Civil Engineers (Task Force on Nomination and Election of Board of Governors, 1996-97; Task Force on Liaison with the U.S. Universities Council on Geotechnical Engineering Research, 1997; Task Force on International Activities Council, 1999)
- Chair, Subcommittee D18.18 on Peats and Organic Soils, American Society for Testing and Materials, 1988-97 (Secretary, 1986-88, Member, 1984-99)
- Member, Committee D-18 on Soil and Rock and Subcommittees D-18.13 on Marine Geotechnics, D18-04 on Hydrologic Properties, and D-18.20 on Impermeable Barriers, American Society for Testing and Materials, 1984-present
- Chair, Publications Committee, Geotechnical Engineering Division, American Society of Civil Engineers, 1984-88 (Member, 1976-90)
- Member, Awards Committee, Geotechnical Engineering Division, American Society of Civil Engineers, 1984-88
- Member, Embankment Dams and Slopes Committee, Geotechnical Engineering Division, American Society of Civil Engineers, 1976-1990
- Member, Committee on Environmental Geotechnics, Geo Institute, American Society of Civil Engineers, 1985-present
- Member, Soil Improvement and Geosynthetics Committee, Geo Institute, American Society of Civil Engineers, 1997-present
- Member, Committee AFP 30 (former A2L02) on Soil and Rock Properties, Transportation Research Board, 1997-present
- President, American Society of Civil Engineers - Madison Branch, 1989-90 (Director, 1983-84)
- Chairman, Geotechnical Engineering Technical Committee, American Society of Civil Engineers - Wisconsin Section, 1975-80
- Chairman and Member of the Student Affairs Committee, American Society of Civil Engineers - Wisconsin Section (also Faculty Advisor to UW-Madison ASCE Student Chapter), 1974-77

## Editorship

- Editor-in-Chief, Geotechnical and Geological Engineering, Springer, 2006-present  
 Editor-in-Chief, Journal of Geotechnical Engineering, American Society of Civil Engineers, 1984-88  
 Editor, *Testing and Specification of Recycled Materials for Sustainable Geotechnical Construction*, American Society of Testing and Materials, ASTM STP 1540, Conshohocken, PA, 2012 (Guest Editor for Journal of ASTM International selected papers), 641p.  
 Co-Editor (with Patrick J. Fox), *Geotechnics of High Water Content Materials*, American Society of Testing and Materials, ASTM STP 1374, Conshohocken, PA, 2000, 380 p.  
 Co-Editor (with E. den Haan and R. Termaat), *Advances in Understanding and Modelling the Mechanical Behaviour of Peat*, A. A. Balkema Publishers, Rotterdam, Netherlands, 1994.

## Public Service Activities:

- Member, Dam Safety Expertise Committee, Republic of Turkey State Waterworks Directorate, 2016-present  
 Member, Technical Advisory Board, Global Waste Research Institute at California Polytechnic State University, 2010-present  
 Member, Wisconsin Science Advisory Council on Metallic Mining, Wisconsin Department of Natural Resources, 1998-2004.  
 Member, Wisconsin Highway Research Program, Geotechnical Oversight Committee, Wisconsin Department of Transportation, 1996-present  
 Member, Wisconsin Coastal Management Program – Coastal Hazards Work Group – Department of Administration, 2000-present  
 Member, Wisconsin State Infrastructure Report Card Committee, ASCE Wisconsin Section, 2003  
 Member, Subgrade Design/Construction Process Review Team, Wisconsin Department of Transportation, 1996-97  
 Member, Wisconsin Department of Natural Resources Review Committee for NR 500, 1995-1996  
 Member, Wisconsin Groundwater Research Advisory Council, 1988-2012  
 Advisor, Tailings Lagoon Dike Slope Stability - Bureau of Solid Waste Management, Wisconsin Department of Natural Resources, 1986  
 Reviewer, Shore Erosion and Landslides Chapters - Time-Saver Standards for Landscape Architecture, 1983  
 Advisor, Wastewater Lagoon Liner Regulations (Chapters NR 110 and NR 213) - Municipal Wastewater Bureau and Industrial Wastewater Bureau, Wisconsin Department of Natural Resources, 1981-83  
 Ad Hoc Technical Committee on Coastal Hydrology, Hydraulics, Erosion, and Water Quality - Southeastern Wisconsin Regional Planning Commission, 1978  
 Wisconsin Coastal Zone Management Development Program - Shore Erosion Technical Advisory Committee - State Office of Energy and Planning, 1974-84

### Partial List of Publications of Prof. Tuncer B. Edil

1. T. B. Edil and M. T. Tumay, "A Statistical Study of Factors Affecting Sulfate Attack in Concrete," Turkish Society of Civil Engineers, *Technical Bulletin*, No. 9, pp. 33-56.
2. T. B. Edil and R. J. Krizek, "Effects of Lattice Disorder on the Quantitative Determination of Kaolinite by X-Ray Diffraction," *Proceedings of the International Clay Conference*, Section VII, Madrid Spain, 1972, pp. 827-835.
3. R. J. Krizek and T. B. Edil, "Experimental Study of Clay Deformability in Terms of Initial Fabric and Soil-Water Potential," *Rheologica Acta*, No. 13, 1974, pp. 803-813.
4. R. J. Krizek, T. B. Edil and K. I. Ozaydin, "Preparation and Identification of Clay Samples with Controlled Fabric," *Engineering Geology*, No. 9, 1975, pp. 13-38.
5. T. B. Edil and R. J. Krizek, "A Micromechanistic Formulation of Clay Stress-Strain Response," *International Journal of Engineering Science*, Vol. 13, Nos. 9-10, 1975, pp. 831-840.
6. T. B. Edil and R. J. Krizek, "Quantitative Dependence of Strength on Particle Orientation of Clay," *Bulletin of the International Association of Engineering Geology*, No. 11, 1975, pp. 19-22.
7. T. B. Edil, R. J. Krizek and J. Zelasko, "Effect of Grain Characteristics on Packing of Sands," *Proceedings of the Istanbul Conference on Soil Mechanics and Foundation Engineering*, Istanbul, Turkey, Vol. I, pp. 46-54.
8. J. Zelasko, R. J. Krizek and T. B. Edil, "Shear Behavior of Sands as a Function of Grain Characteristics," *Proceedings of the Istanbul Conference on Soil Mechanics and Foundation Engineering*, Istanbul, Turkey, Vol. I, 1975, pp. 55-64.
9. S. W. Nunally, R. J. Krizek and T. B. Edil, "Empirical Liquefaction Index for Sands," *Proceedings of the Fifth European Conference on Earthquake Engineering*, Istanbul, Turkey, Vol. 1, Paper No. 17, 1975, pp. 150-166.
10. T. B. Edil and R. J. Krizek, "Influence of Fabric and Soil Suction on the Mechanical Behavior of a Kaolinite Clay," *Geoderma*, Vol. 15, 1976, pp. 323-341.
11. P.L.M. Veneman, J. Bouma and T. B. Edil, "Soil Shear Strength Variation in Soils of a Batavia Silt Loam Mapping Unit," *Soil Science Society of America Journal*, Vol. 40, No. 3, 1976, 462-465.
12. R. J. Krizek, K. S. Chawla and T. B. Edil, "Directional Creep Response of Anisotropic Clays," *Geotechnique*, Vol. 27, No. 1, 1977, pp. 37-57.

13. T. B. Edil and L. E. Vallejo, "Shoreline Erosion and Landslides in the Great Lakes," *Proceedings of the Ninth International Conference on Soil Mechanics and Foundation Engineering*, Tokyo, Japan, Vol. 2, 1977, pp. 51-57.
14. T. B. Edil and R. J. Krizek, "Preparation of Isotropically Consolidated Clay Samples with Random Fabric," *Journal of Testing and Evaluation*, American Society for Testing and Materials, Vol. 5, No. 5, 1977, pp. 406-412.
15. T. B. Edil, D. M. Mickelson and L. J. Acomb, "Relationship of Geotechnical Properties to Glacial Stratigraphic Units Along Wisconsin's Lake Michigan Shoreline," *Proceedings of the 30th Canadian Geotechnical Conference*, Saskatoon, Saskatchewan, Session II, 1977, pp. 36-54.
16. T. B. Edil and A. W. Dhowian, "Consolidation of Portage Peat," *Proceedings of the Waubesa Conference on Wetlands*, Madison, Wisconsin, Session I, 1977, pp. 24-37.
17. R. J. Krizek, M. Casteleiro and T. B. Edil, "Desiccation and Consolidation of Dredged Materials," *Journal of the Geotechnical Engineering Division*, American Society of Civil Engineers, Vol. 103, No. GT 12, 1977, pp. 1399-1418.
18. J. A. Shands, P. L. Monkmeyer and T. B. Edil, "Shore Protection Demonstration Project on Lake Superior," *Proceedings of the Coastal Zone 78 Specialty Conference*, American Society of Civil Engineers, San Francisco, California, Vol. III, 1978, pp. 1954-1972.
19. T. B. Edil and G. F. Luh, "Dynamic Modulus and Damping Relationships for Sands," *Proceedings of the Geotechnical Engineering Specialty Conference on Earthquake Engineering and Soil Dynamics*, American Society of Civil Engineers, Pasadena, California, Vol. I, 1978, pp. 394-409.
20. T. B. Edil and P. L. Monkmeyer, "Demonstration of Shoreline Protection on Lake Superior," *Proceedings of the Environmental Protection Agency Conference on Voluntary and Regulatory Approaches for Nonpoint Source Pollution Control*, Chicago, Illinois, 1978, EPA 905/9-78-001, pp. 134-157.
21. T. B. Edil and D. M. Mickelson, "Wisconsin Glacial Till," *Tsucchi-to-Kiso*, The Japanese Society of Soil Mechanics and Foundation Engineering, Ser. No. 249, Vol. 26, No. 11, 1978, pp. 26-29.
22. L. E. Vallejo and T. B. Edil, "Design Charts for Development and Stability of Evolving Slopes," *Journal of Civil Engineering Design*, Vol. I, No. 3, 1979, pp. 231-252.
23. D. M. Mickelson, L. J. Acomb and T. B. Edil, "The Origin of Preconsolidated and Normally Consolidated Tills in Eastern Wisconsin, U.S.A.," *Moraines and Varves (Proceedings of the International Union for Quarternary Research Symposium, Zurich, Switzerland)*, 1979, A. A. Balkema, Rotterdam, pp. 179-187.

24. T. B. Edil and S. E. Motan, "Soil-Water Potential and Resilient Behavior of Subgrade Soils," *Transportation Research Record*, No. 705, 1979, pp. 54-63.
25. T. B. Edil, "Dynamic Properties of Sand Soils," *Bulletin of the Earthquake Research Institute of Turkey*, Vol. 6, No. 24, 1979, pp. 1-12.
26. T. B. Edil and A. W. Dhowian, "Analysis of Long-Term Compression of Peats," *Geotechnical Engineering*, Southeast Asian Society of Soil Engineering, Vol. 10, No. 2, 1979, pp. 159-178.
27. T. B. Edil and L. E. Vallejo, "Mechanics of Coastal Landslides and the Influence of Slope Parameters," *Engineering Geology*, Special Issue on Mechanics of Landslides and Slope Stability, No. 16, 1980, pp. 83-96.
28. T. B. Edil and B. J. Haas, "Proposed Criteria for Interpreting Stability of Lakeshore Bluffs," *Engineering Geology*, Special Issue on Mechanics of Landslides and Slope Stability, No. 16, 1980, pp. 97-110.
29. T. B. Edil, "Control of Coastal Landslides," *Proceedings of the International Symposium on Landslides*, Vol. 3, New Delhi, India, 1980, pp. 240-245.
30. T. B. Edil and G. W. Luh, "Microstructural Effects on Dynamic Response of Clays," *Proceedings of the Seventh World Conference on Earthquake Engineering*, Istanbul, Turkey, Vol. 3, 1980, pp. 133-140.
31. A. W. Dhowian and T. B. Edil, "Consolidation Behavior of Peats," *Geotechnical Testing Journal*, American Society for Testing and Materials, Vol. 12, No. 3, 1980, pp. 545-548.
32. T. B. Edil and A. W. Dhowian, "At-Rest Lateral Pressure of Peat Soils," *Journal of the Geotechnical Engineering Division*, American Society of Civil Engineers, Vol. 107, No. GT2, 1981, pp. 201-217.
33. T. B. Edil, S. E. Motan and F. X. Toha, "Mechanical Behavior and Testing Methods of Unsaturated Soils," *Laboratory Shear Strength of Soil*, American Society for Testing and Materials, Special Technical Publication No. 740, 1981, pp. 114-124.
34. M. Cateleiro, R. J. Krizek and T. B. Edil, "Mathematical Model for One-dimensional Desiccation and Consolidation of Sedimented Soils," *International Journal for Numerical and Analytical Methods in Geomechanics*, Vol. 5, 1981, pp. 145-215.
35. L. E. Vallejo and T. B. Edil, "Stability Analysis of Thawing Slopes: Field and Theoretical Investigations," *Proceedings of the International Conference on Soil Mechanics and Foundation Engineering*, Stockholm, Sweden, Vol. 3, 1981, pp. 545-548.

36. W. E. Saul, T. B. Edil and Y. W. Chang, "Seismic Response of Pile-Supported Structures," *Proceedings of the International Conference on Recent Advances in Geotechnical Earthquake Engineering and Soil Dynamics*, St. Louis, Missouri, Vol. 2, 1981, pp. 320-332.
37. T. B. Edil and P. P. Didier, "Sealing of Lagoons and Ponds: Proposed Quality Requirements for Soil Liners," *Proceedings of the Fourth Madison Waste Conference*, Madison, Wisconsin, 1981, pp. 412-416.
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### Invited Contributions and Discussions

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