

ROBERT DEAN HOLTZ II, Ph.D., P.E., D. GE., Dist. M. ASCE

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BIRTH DATE: December 1, 1938 in Tucson, Arizona

EDUCATION:

Northwestern University, Sept 1966-June 1970, Doctor of Philosophy (Soil Mechanics)
 Harvard University, Feb 1966-June 1966, Special Program Soil Mechanics
 University of Minnesota, Mar 1960-June 1962, Master of Science in Civil Engineering
 University of Minnesota, Sept. 1955-Mar. 1960, Bachelor of Science(Civil Engineering)

ACADEMIC AND PROFESSIONAL EXPERIENCE:

University of Washington, Department of Civil & Environmental Engineering, Seattle, WA
 Professor of Civil Engineering, 1988-2008; Professor Emeritus, 2008-
 Director, Structures and Geotechnical Engineering and Mechanics Program, 1990-94
 Purdue University, School of Civil Engineering, West Lafayette, IN
 Professor of Geotechnical Engineering, 1985-88; Associate Professor, 1977-85; Assistant Professor, 1973-
 77
 Studio Geotecnico Italiano, Milan, Italy. Research and Consulting Geotechnical Engineer, Sept 1984-Aug
 1985; Summer 1986.
 École Nationale des Ponts et Chaussées, Paris, France. Visiting Professor, Summer 1984 (half time).
 Terrasol, Puteaux, France. Consulting Geotechnical Engineer, 1984 (half time).
 National Research Council of Canada, Division of Building Research, Ottawa, Ontario. Visiting Scientist,
 Summer 1976.
 Royal Institute of Technology (KTH), Stockholm, Sweden. Research Engineer, Summer 1975.
 Swedish Geotechnical Institute, Stockholm, Sweden. Research Engineer, Oct 1970 - Aug. 1973; Summer 1974.
 Soil Testing Services, Inc., Northbrook, Illinois. Civil Engineer, Jun 1970-Oct 1970.
 Northwestern University, Evanston, Illinois. Teaching Assistant in Civil Engineering and Graduate Research
 Engineer, Jun 1967-Sept 1968 (half time).
 California State University, Sacramento, California. Assistant Professor of Civil Engineering, Sept 1964 - Jan
 1966.
 State of California, Dept. of Water Resources, Oroville Dam; Bryte Soils Laboratory, Assistant Civil Engineer,
 Jul 1962-Sept 1964; Summer 1965.
 University of Minnesota, Minneapolis. Teaching Assistant in Civil Engineering, academic years 1960-61 and
 1961-62 (half-time).
 City of Milwaukee, Wisconsin, Civil Engineer, Summer 1961.
 State of Minnesota, Dept. of Highways, Civil Engineer, Summer 1960.

HONORS AND AWARDS:

Walter P. Murphy Scholarship, Northwestern University, 1966-67; 1968; 1969-70
 Royal E. Cabell Fellowship, Northwestern University, 1968-69
 Chi Epsilon, Member, 1959-
 Sigma Xi, Member, Associate Member, 1969-1976; Member, 1977-Current

Order of the Engineer, 1980

Stage a Haut Niveau Scholarship from Ministry of Foreign Affairs, Government of France, for "Research in Soil Mechanics," Summer 1984

M. S. Kersten Lecturer, 1989, Minnesota Geotechnical Conference, St. Paul

Distinguished Lecturer, 1989, Department of Civil Engineering, Cullen College of Engineering, University of Houston, Texas

Distinguished Lecturer, 1996, Kentucky Geotechnical Engineering Group, Louisville

Cross-Canada Lecturer, 1999, Canadian Geotechnical Society

38th Ardaman Lecture, Feb 1999, University of Florida

Excellent Contributions Award (USA), International Association for Computer Methods and Advances in Geomechanics, 2001

9th Spencer J. Buchanan Lecture, Texas A & M University, 2001.

J. S. Braun/Braun Intertec Visiting Professor, Department of Civil Engineering, University of Minnesota, Minneapolis, 2002

R.M. Quigley Award for Best Paper in the Canadian Geotechnical Journal, Honorable Mention (with D.T. Bergado, A.S. Balasubramaniam, and R.J. Fannin) 2003

8th R. L. Schiffman '44 Lecturer, Cornell University, 2003.

Sir Casimir Gzowski Medal, 2003 (Honorable Mention, with T. M. Allen, R. J. Bathurst, D. Walters, and W. F. Lee). (The medal is awarded annually for the best technical paper on a civil engineering subject in the areas of surveying, structural engineering and heavy construction. This is the highest medal of the Canadian Society of Civil Engineering for a Technical Paper, and there is one winner and one honorable mention each year.)

3rd G. A. Leonards Lecture, Purdue University, May 16, 2005

IGS Pioneer, International Geosynthetics Society, Sept 19, 2006

Robert D. Holtz Honorary Symposium, ASCE Geotechnical Group, Apr 20-21, 2007.

2007 Stanley D. Wilson Memorial Lecture, University of Washington, Seattle, Washington, Nov 15, 2007

Distinguished Member, American Society of Civil Engineers, 2007

2008 H. R. Berg Lecture, Department of Civil and Environmental Engineering, University of Washington, Feb 6, 2008

Puget Sound Academic Engineer of the Year, 2008

Robert D. Holtz Symposium, Special Session at the First Pan-American Geosynthetics Conference and Exhibition, *GeoAmericas 2008*, Cancun, Mexico, Mar 3, 2008

Distinguished Service Award, Seattle ASCE Geotechnical Group, Apr, 2008

2008 Lymon C. Reese Lecture, University of Texas at Austin, May 8, 2008

2008 Osterberg Geomechanics Lecture, Northwestern University, May 29, 2009.

46th Karl Terzaghi Lecturer, Geo-Institute of the American Society of Civil Engineers, GeoFlorida Conference, West Palm Beach, Florida, Feb 23, 2010. (Also presented in Seattle; Guarujá, Brazil; Shanghai, China; Atlanta, Ga.; Kingston, Ont.; Lawrence, Kan.)

PROFESSIONAL REGISTRATION:

Civil Engineer, California: CE 15070 (1964 - by examination)

Professional Engineer, Indiana: No.17973 (1978 - by comity)

PROFESSIONAL SOCIETIES:

Academy of Geo-Professionals, Diplomate; Founding Member, Board of Trustees, 2008-

American Society of Civil Engineers

Distinguished Member, 2007; Life Member, 2003, Fellow, 1988; Member, 1975; Associate Member, 1964
Committee on Metrication, 1982-95

Book Selection Committee, 1988-96

Geo-Institute of ASCE

Board of Governors, 1996-

International Secretary, 2001-

President, 2000-1 [Vice-President, 1999-00; Treasurer, 1998-9]

Temporary Technical Coordinating Committee, Co-Chair, 1996-98

Geotechnical Engineering Division

Publications Committee, 1976-91; 1992-94
 Chair and Editor, Journal of Geotechnical Engineering, 1982-84
 Editor for Discussions and Closures, 1992-94
 Committee on Awards, 1982-84; 1994-98
 Committee on Definitions and Standards, 1982-86; Secretary, 1985-86
 Committee on Soil Improvement and Geosynthetics, 1986-2000
 Ad hoc Committee on Rescuing Technical Materials, 1990-1997

Materials Engineering Division

Materials Application Committee, 1987-1993

Indiana Section, Central Branch

Treasurer, 1979-81; Vice President, 1981-82; President, 1982-83

Seattle Section, Geotechnical Group

Vice Chair, 1989-90; Chair, 1990-91; Coordinating Committee, 1989-2005
 Spring Seminar Planning Committee, 1989-94; 1996-2001; 2003-

International Society for Soil Mechanics and Geotechnical Engineering, 1966-

Committee on Soil Sampling, Advisor, 1977-81
 Special Committee on "Model Library of Geotechnical Engr. Literature," 1986-97
 Technical Committee (TC 31) on Geotechnical Education, 1994-2005
 U.S. National Society, Librarian, 1988-1997
 U.S. National Society, Secretary, 2001-
 Board Member, 2007-2009

American Society for Testing and Materials, 1968-1970; 1978-

Committee D18 on Soil and Rock, 1978-
 Committee D35 on Geosynthetics, 1978-

U.S. Universities Council on Geotechnical Engineering Research, 1985-

Member, Interim Steering Committee, 1985-87
 Member, Executive Committee, 1987-89
 Member, Nominating Committee, 1992, 1994, and 1996

Transportation Research Board, Individual Associate, 1966-2005; Member Emeritus, 1999-

Group 2 Council, 1991-96
 Committee on Scope, Organization, and Function, 1991-96; Chair, 1994-96
 Task Force on Technical Liaison with Other Organizations, 1991-94
 Section L, Geology and Properties of Earth Materials, Chair, 1991-96
 Committee A2K02, Transportation Earthworks, 1976-94, Chair, 1981-88
 Committee A2K01, Soil and Rock Instrumentation, 1977-88
 Committee A2L02, Soil and Rock Properties, 1982-94; Member Emeritus, 1999-
 Committee A2K07, Geosynthetics, 1981-95
 Task Force A2T61, Landslides, 1990-95
 Liaison to the Geotechnical Board of the National Research Council, 1990-94

Association of Engineering Geologists, Affiliate Member, 1988-

Washington State Section, Co-Chair, Education Committee, 1989-93

American Society for Engineering Education, 1979-International Geosynthetics Society, 1986-

Member of IGS Council, 1994-98
 Chair, Education Committee, 1994-96

North American Geosynthetics Society, 1986-

President, 1991-1993 [Executive Vice President, 1986-89; President-Elect, 1989-91]
 Immediate Past President, 1993-95

Association of Drilled Shaft Contractors

Technical Affiliate; 1987-92, 1994-

ASFE: Professional Firms Practicing in the Geosciences

Faculty Member, 1993-

International Association for Computer Methods in Geomechanics, Member, 1995-

Board Member, 2002-

Underground Technology Research Council, 1981-90
 Chair, Ground Strengthening Committee, 1981-85
International Association of the Study of Clays (AIPEA), 1968-2005
Swedish Geotechnical Society, 1972-
 Attaché for the USA, 1996-8
British Geotechnical Society, 1977-
Vancouver Geotechnical Society, 1991-
Canadian Geotechnical Society, 1999-
International Press-In Piling Association, Board Member, 2006-

RESEARCH:

Professor Holtz has been Principal or Co-Principal Investigator, Consultant or Advisor to research projects sponsored by National Swedish Road Board; AB Fodervävnader (2); Swedish Contractors Assn.; Swedish Power Board; National Science Foundation (10); Purdue Research Foundation (3); Indiana Dept. of Highways (4); Federal Highway Administration (8); U.S. Air Force Engineering and Services Center; Fukada Geological Institute (Japan) (2); U.S. Air Force Office of Scientific Research (3); Colorado Dept. of Highways; Transportation Research Board; International Construction Equipment, Inc.; Hoechst-Celanese Corp. (2); ITW Enterprises; Geosafe Corp.; Westinghouse ESD and Dept. of Energy; Washington State Dept. of Transportation (8); SMW Seiko Corp.; Polyfelt, Inc. (5); Nicolon Corp.; Exxon Chemical Corp.; NAGS Award of Excellence; Egyptian Cultural & Education Bureau; ARI Corp. and Washington Technology Center, Association of Drilled Shaft Contractors (2), Hilfiker Corp. (2); Giken Seikakusho Ltd. (Japan).

LECTURES, PRESENTATIONS, AND SHORT COURSES:

Lectures at universities, institutes, and local geotechnical societies: Chicago; Purdue Univ.; Stockholm, Sweden; Gdansk, Poland; Tech. Univ. of Poznan, Poland; MIT; Rensselaer Polytechnic Inst.; LCPC, Paris; Strathclyde Univ., Glasgow, Scotland; Northwestern Univ.; Montreal; South Bend, Ind.; Cleveland St. U.; Univ. of Wisconsin; Univ. of Minn.; U.S.B.R., Denver; Borås, Sweden; Mich. State Univ.; Univ. of Ill., Chicago; IIT, Chicago; Case Western Reserve U.; Univ. de Lille, France; Politecnico di Torino, Italy; Politecnico di Milano, Italy; Natl. Tech. Univ. of Athens; Aristotle Univ. of Thessaloniki; Milan, Italy; Univ. of Washington; Washington St. U. (2); Gdansk, Poland; Vienna, Austria; Cornell U.; Louisiana State U.; MIT; Northwestern U.; St. Paul, MN.; Augusta, ME; U. of Houston; U. of Colo., Denver; U. of British Columbia; Vancouver, BC; San Diego; U. of Calif.-Irvine; Minneapolis; Chicago; Bellevue, WA; Ithaca, NY; Denver, CO; Baton Rouge, LA; Brooklyn, NY; White Plains, NY; Florence and Perugia, Italy; Univ. of Western Ontario, London; San Diego; Montreal; Seattle; U. of Colorado, Boulder; Purdue Univ.; Portland, OR (2); Taipei (2) and Taichung, Taiwan; AL; Townsville, Qld, Australia; Bari, Taranto, and Lecce, Italy. Univ. of Calif., Berkeley (2); Univ. of Louisville, Ky. (2); Ottawa University, Ont.; IIT, Kanpur, India; UCLA; Los Angeles, CA; Vancouver, BC; St. Johns, Nfld; Halifax, NS; Quebec City, PQ; Montreal, PQ; Toronto, Ont.; Ottawa, Ont.; Winnipeg, Man.; Saskatoon, Sask.; Edmonton, Alta.; Prince George, BC; Gainesville, Fla.; Kyoto and Osaka, Japan; Seattle, WA.; New York, NY; College Station, TX; Minnetonka, MN; Minneapolis, MN (2); St. Paul, MN (2); Madison and Oconomowoc, WI; Philadelphia, PA; Roanoke, VA; Beaverton, OR; Santiago, Chile, Ithaca, NY; Denver, CO; Austin, TX (2); Incheon, Korea; Kobe, Japan; Lecce, Italy; Seattle, WA (3); Calgary, Alta;

FHWA Geosynthetics Engineering Workshops (3-day courses co-taught with B. R. Christopher or R. R. Berg): Atlanta, GA (2); Austin, TX (2); Salt Lake City, UT (3); Helena, MT (2); Madison, WI; Denver, CO (2); Nashville, TN; Portland, OR; Sacramento, CA (3); Boise, ID (2); Santa Fe, NM; Phoenix, AZ; Springfield, IL; Olympia, WA; Topeka, KS; Indianapolis, IN; Seattle and Auburn, WA; St Louis, MO; Lansing, MI; Hartford, CT., Auburn, WA; Atlanta, GA; Shoreline, WA; Rochester, NY; Helena, MT; Denver, CO, Baton Rouge, LA; Carson City, NV. An equivalent course, co-taught with B. R. Christopher, has also been given in Taipei, Taiwan; Purdue Univ.; Vancouver, BC; Ft. Worth, TX; Seattle, WA (2); Univ. of Hong Kong.

2-Day course on Geosynthetics Engineering: Nanyang Technological Univ., Singapore

1-Day courses on various aspects of geosynthetics: ENPC, Paris; Warsaw Agricultural Univ., Poland; Federal Polytechnic Univ., Lausanne, Switzerland; U.S.B.R., Denver (co-taught with B. R. Christopher); Colorado State Univ. Ft. Collins (co-taught with B. R. Christopher); Irvine/Santa Ana, CA.; Auburn Univ., AL (5); Royal Institute of Technology, Stockholm; Asian Institute of Technology, Bangkok; Taipei, Taiwan; Minneapolis, Minn; Santiago, Chile.

1-Day course on Geosynthetic Reinforced Soil (co-taught with R. J. Fannin): Vancouver, BC (3), Seattle, WA,

Washington, DC, Denver, CO, Salt Lake City, UT (4 hr), Nanaimo, BC, Bellevue, WA, Guarujá, Brazil (3 hr).
Other short courses: *Laboratory Testing* for WSDOT, Olympia (44 hr); *Shallow Foundations* for Politecnico di Bari, Italy (9 hr); *Geosynthetics Engineering*, Politecnico di Bari at Taranto, Italy (9 hr); *Geosynthetics Engineering (Introduction; Filtration and Drainage; Geosynthetics in Roads; Geosynthetics for Soil Reinforcement)* Bogota, Barranquilla, Medellin, and Cali, Colombia (3 hr in each city).

FHWA Soils and Foundations Workshops : (4 day courses co-taught with R. Bachus, S. Nichols, or R. Cheney):
 Harrisburg, PA, Albany, NY; Lansing, MI, Schenectady, NY.

Presentations at Symposia, Conferences and Workshops: Trondheim, Norway; Copenhagen, Denmark; Washington, DC (20); Chicago (3); Lehigh Univ.; Montreal (2); Paris; Tokyo; Pittsburgh; Charlotte, NC; Madison, WI (3); Brighton, England; Minneapolis; Las Vegas; Atlanta (5), Singapore (3), Bangkok, Thailand (2); Boston (4); Dublin, Ireland; Philadelphia; Nashville (2); Ghent, Belgium; St. Louis; St. Paul; Augusta, ME; Denver; Seattle (8); Vancouver, BC (2); San Diego (2), The Hague, Netherlands; Glasgow, Scotland; White Plains, NY; Florence, Italy; Boulder, CO; Rueil-Malmaison, France; Bello Horizonte, Brazil; New York, NY; Athens, Greece; New Delhi, India (2); Singapore (3), Sydney, Australia; Tainan and Taipei, Taiwan; Montreal, Que. (2); Portland, Ore.; Long Beach, CA (2); Hamburg, Germany; Bogota, Columbia; Cairo, Egypt (2); Kochi, Japan; Hershey, PA (4); Lagos, Nigeria; Osaka, Japan, Long Beach, CA; Tucson, AZ; Blacksburg, VA; Istanbul, Turkey; Cambridge, MA; Minneapolis, MN; Evanston, IL; Philadelphia (2); Sharjah, UAE; Seoul, Korea; Austin, TX (2); West Lafayette, IN., Osaka, Japan; Las Vegas, Nev., Omaha, Nebr.; Bellevue, WA; Yokohama, Japan; Vail, Colo.; Taipei, Taiwan; Bangalore, India; New Orleans, La; Orlando, Fla., Evanston, IL.; Bellevue, Wash.; 46th Karl Terzaghi Lecturer: West Palm Beach, Fla.; also presented in Seattle, WA; Guarujá, Brazil; Shanghai, China; Atlanta, Ga.; Kingston, Ont.; Lawrence, Kan.

CONSULTING:

Throughout his academic career, Professor Holtz has had an active consulting practice. His projects have involved various aspects of geosynthetics, foundations, soil reinforcing, soil improvement, slope stability, investigation of failures, and acting as an expert witness. His clients have included public agencies, civil engineering consultants, attorneys, manufacturing companies, both in the U. S. and abroad. His clients include:

Westinhoff & Novick, Inc., Chicago, IL; Seelec, Inc., Brookfield, IL; D. R. Jones, Evanston, IL; Nilcon Geoteknik, A. B., Källered, Sweden; Columbusmatten, Rönninge, Sweden; A. B. Fodervävnader, Borås, Sweden; Hawkins and Associates, Lafayette, IN; Tall Timbers Marinaes, Monticello, IN; Owens-Corning Fiberglass, Granville, OH; Lamb, Guay, Inc., Montreal, Canada; Robert W. Crooks, Consulting Engineer, Indianapolis, IN; Michigan Testing Engineers, Inc., Detroit, MI; Monsanto Textiles, Co., St. Louis, MO; Monsanto Triangle Park Development Center, Inc.; Stiney's Restaurant, West Lafayette, IN; U.S. Army Engineer Waterways Experiment Station, Vicksburg, MS; American Testing and Engineering Co., Indianapolis, IN; Malcolm Crocker, West Lafayette, IN; Soil Testing Services, Inc., Green Bay, WI and Northbrook, IL; AMAX Coal Co., Indianapolis, IN; Gulf Canada, Ltd., Toronto, Ontario, Canada; American Testing and Engineering Co., Indianapolis, IN; Golder Associates, Calgary, Alberta, Canada; American Electric Power Services Corp., Columbus, OH; Standard Oil Co. (Indiana), AMOCO Research Center, Naperville, IL; Mirafi, Inc., Charlotte, NC; J. V. Lowney and Assoc., Palo Alto, CA; Hagerman Construction Co., Ft. Wayne, IN; Lankhorst Pancabumi Contractors, Selanjor, West Malaysia; Pathfinder Mines, WY; Nicolon Corp., Norcross, GA; Harding Lawson Assoc., Concord, CA; Exxon Chemicals, Atlanta; GeoServices, Inc., Boynton Beach, FL; W. R. Grace & Co., Columbia, MD; State of Maryland, Baltimore; STS Consultants, Ltd., Northbrook, IL; L. A. Wahlstrom and DBM Corp.; Woodward-Clyde Consultants, Wayne, NJ; Victor J. Golka, Kent, WA; University of Colorado at Denver and Colorado Department of Highways; Conwed Plastics, Roseville, Minn; Golder Associates, Redmond, WA; E2SI, Baltimore, MD; Aetna, Seattle, WA; Lucas, Bowker & White, Edmonton, Alta.; Applied Geotechnology, Inc., Bellevue, WA.; Ling-Jie Construction Co., Taipei, Tiawan; R.R. Berg & Assoc., Weyland, MN; GeoTesting Express and BFI, Inc., Acton, MA; Hintze & Wright, Seattle, WA; Westinghouse Hanford Co., Richland, WA; VSL Corp., Raleigh, NC; Asian Inst. of Technology, Bangkok, Thailand; SDS Drilling Ltd, Vancouver, BC., Robert Coldwell, Seattle, WA.; Woodward Clyde Consultants, Inc., Seattle, WA.; Geotechnical Engineering Office, Government of Hong Kong; Fluor Daniel N.W., Richland, WA; Shannon and Wilson, Inc., Seattle, WA.; The Belles Group, Seattle, WA; Sverdrup LeLeuw JV & Wasatch Constructors, Salt Lake City, UT; Shannon and Wilson, Inc., Seattle, WA., Hart-Crowser, Inc., Seattle, WA, Sitka Corp., Kirkland, WA, Stafford Frey Cooper, Seattle, WA, Messina Law Firm and Messina-Bulzomi, Tacoma, WA; Hunton & Williams, Washington, DC; AMEC Earth and Environmental,

Kirkland, Washington; Utah Department of Transportation, Salt Lake City; RCI Construction, Inc., Kent, Washington; Owens Davies and Port of Olympia, Olympia, Washington; Gregory Geotechnical, Fort Worth, Texas; Pavements Branch, Roads and Traffic Authority, Blacktown, New South Wales, Australia; Braun Intertec, St. Paul, Minnesota; Michael Dennison, Corte Madera, California; C. Felice and Associates, Kirkland, Washington; Sandberg, Phoenix & Von Gontard, St. Louis, Missouri; Richard Maloney et al., Seattle and Burien, Washington; Associated Earth Sciences, Inc., Kirkland, Washington; Bureau of Land Management, Boise, Idaho; CH2M-Hill, Bellevue, Washington; Taiwan Construction Research Institute and National Freeway Bureau, Taipei, Taiwan; Dr. Manfred Henne, Bremerton, Wash.; Lachel Felice & Associates, Kirkland, Wash. and Ohio Department of Transportation, Toledo, Ohio; Greenworks Development Group, LLC, Seattle, Wash.; Bureau of Land Management, Coeur d'Alene, Idaho; Christiansen & Jensen, Salt Lake City, Utah, and Foster Geotechnical Inc., San Diego, Calif.; Ms. Kristina Knickmeyer, Seattle, Wash.; Gregory Geotechnical, Stillwater, Oklahoma; Malcolm Drilling, Kent, Wash.; Washington River Protection Solutions, Richland, Washington.

PUBLICATIONS

Holtz is the author, co-author, or editor of 22 books and book chapters, including *An Introduction to Geotechnical Engineering* (with W. D. Kovacs, Prentice-Hall 1981; Second Edition, with W. D. Kovacs and T. C. Sheahan, Prentice-Hall 2011), *Geotextile Engineering Manual* (with B. R. Christopher, FHWA 1985), *Geosynthetics for Soil Improvement* (ASCE 1988), *Geosynthetic Design and Construction Guidelines* (with B. R. Christopher and R. R. Berg, FHWA 1989, 1995 and 2008), *Prefabricated Vertical Drains: Design and Performance* (with M. Jamiolkowski, R. Lancellotta, and S. Pedroni, CIRIA 1991), Chapter 5 on "Pressure Distribution and Settlement" in *Foundation Engineering Handbook* (H. Y. Fang, Editor, Van Nostrand Reinhold 1991), *Grouting, Soil Improvement, and Geosynthetics* (ASCE 1992), Chapter 23 on "Geosynthetics" in *Civil Engineering Handbook* (CRC Press 1995), Chapter 17 on "Stabilization of Soil Slopes" in *Landslides: Investigation and Mitigation* (with R. Schuster, TRB 1996), *Geosynthetic Engineering* (with B. R. Christopher and R. R. Berg, BiTech 1997), and Chapter 15 on "Foundation Soil Improvement" in *Geotechnical Engineering Handbook* (with J. Q. Shang and D. Bergado, Kluwer 2001).

Holtz also is author or co-author of more than 270 technical papers, discussions, reviews, and major reports. List available upon request.