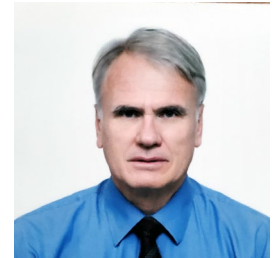


Geotechnical and Construction Engineering Faculty Member, Department of Civil and Environmental Engineering, University of Utah, 106 S. Central Campus Dr., MCE Bldg. Rm 114, Salt Lake City, UT 84112
Phone: (435)841 9837, email: bartlett@civil.utah.edu



Career Objectives

- Provide solutions that Improve community resiliency to climate change
- Engage State and local leaders in fostering green and sustainable infrastructure
- Inspire students to obtain excellence in leadership and engineering practice

Areas of Interest

- Sustainable and Rapid Construction Technologies
- Green Infrastructure and Energy-Efficient Housing
- Natural Hazards and Risk Assessments
- Earthquake Engineering
- Applied Probability and Statistics
- Fostering Undergraduate Research

International Design and Construction Experience

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| • China | • Republic of Korea |
| • India | • Saudi Arabia |
| • Italy | • South Africa |
| • Mexico | • Switzerland |
| • Norway | • Turkey |
| • Philippines | • United States |

Languages

- English
- Italian

Education

- Ph.D., Civil Engineering, Brigham Young University, May 1992
- BS, Geology, Brigham Young University, December 1983

Professional Licenses and Training

- Professional Engineer, Utah 1996
 - American Society of Civil Engineers Excellence in Engineering Education (ExCEED) Workshop.
 - OSHA 1910.120 Health and Safety Training for Hazardous Waste Operations and Emergency Response.
 - Department of Energy, Radiation Worker Training, Westinghouse Savannah River Company.
 - US Department of Labor Mine Safety and Health Administration (MSHA) Underground Mining Training.
-

Positions

- Principal Engineer and Owner, Soft Ground Associates, 2012 to present
- Associate Professor, Civil and Environmental Engineering, University of Utah, 2007 to present.
- U of U Faculty Senate, University of Utah, Salt Lake City, Utah, USA, 2022 to 2023,
- Associate Chair, Civil and Environmental Engineering, University of Utah Asia Campus, Incheon, South Korea, 2019 to 2022.
- ABET Coordinator, Construction Engineering Program, University of Utah, 2021 to present.
- Chair, Construction Engineering Committee, University of Utah, 2021 to present
- Assistant Professor, Civil and Environmental Engineering, University of Utah, 2000 to 2007.
- Adjunct Assistant Professor, Department of Civil and Environmental Engineering, Brigham Young University, 2001 to 2008.
- Research Project Manager, Research Division, Utah Department of Transportation (UDOT), Salt Lake City, Utah, 1998 to 2000.
- Project Engineer, Woodward-Clyde Consultants, Salt Lake City, Utah, 1996 to 1998.
- Senior Engineer, Westinghouse Savannah River Company, Aiken, South Carolina, 1991 to 1996.
- Research Assistant, Brigham Young University, Provo, Utah, 1988 to 1991.
- Pre-construction Materials Engineer, UDOT, Salt Lake City, Utah, 1987 to 1988.
- Construction/Survey Technician, UDOT, Orem, Utah, 1984 to 1987.
- Retort Engineer, Geokinetics In Situ Oil Development, Vernal, Utah, 1984-1985.

Awards/Recognitions

- ASCE 2002 Outstanding Civil Engineering Achievement (OCEA) Award, Wasatch Constructors, I-15 Reconstruction Design-Build Team (team member).
 - Rebuilding America's Infrastructure Magazine 2012 – Best of America's Infrastructure – Cost Saving Approaches, Geofoam Embankments, UTA TRAX line, geofoam design team member.
 - ASCE Outstanding Civil Engineering Achievement (OCEA) Award 2015 Finalist – The Colton Crossing Flyover, Colton California, light-weight cellular concrete and seismic design team member.
 - American Public Works Association 2010 – National Project of the Year (\$25 million to \$75 million), SR 519 / I-90 to SR 99, geofoam design team member.
 - ASCE 2010 Local Outstanding Civil Engineering Achievement Awards - Geotechnical Category – Outstanding Award SR 519 / I-90 to SR 99 Intermodal Access I/C Improvements Phase 2 Design-Build Project – *Seattle Washington*, geofoam design team member.
 - University of Utah Distinguished Faculty Service Award (University-wide), 2021-2022.
 - Dean's Recognition, placed among top instructors, College of Engineering, Fall 2021, Fall 2010, Fall 2007, Fall 2005, Spring 2001.
 - American Council of Engineering Companies, Utah – 2011 – Engineering Excellence Grand Award – I-15 Widening 500 North to I-215 – Beck Street Structure – Seismic Design, design team member.
 - Certificate of Appreciation from the Earthquake Engineering Research Institute/Western States Seismic Policy Committee Annual Meeting Planning Committee, Fall 2009.
 - ACEC Arizona 2006 Grand Award, Rockfall Containment, and Safety, SR 264 at 2nd Mesa, geofoam design team member.
 - National Earthquake Award of Excellence, "Development and Implementation of Seismic Design
-

Policy," Team Award to Metropolitan Water Conservancy District Salt Lake and Sandy, Utah, 2004 (team member).

- Excellence in Research, Utah Department of Transportation, 1999, 2000.
- Finalist for outstanding paper, ASCE Journal Geotechnical Engineering, 1995.
- Vice President's Award, Westinghouse Engineering and Construction Services Division, 1995.
- Total Quality Achievement Award, Environmental Restoration Department, Westinghouse Savannah River Company, 1992, 1993.
- BYU Scientific Research Society (Sigma-Chi) Recipient, Outstanding Ph.D. Dissertation, 1992.
- BYU Civil Engineering Departmental Scholar, 1988-1990.
- Alvin Barrett Scholar (BYU Geology Department) 1982-1983.
- BYU Presidential Scholar (University Scholarship) 1978-1979, 1981-1982.

Memberships in Professional Societies and Research Centers

- USDOT Center for Transformative Infrastructure Preservation and Sustainability
<https://www.ctips.org/>
- USDOT Mountain Plains Consortium Research Center <https://www.mountain-plains.org/>
- USDOT National Center for Transportation Infrastructure Durability and Life-Extension
<https://tridurle.wsu.edu/>
- Pacific Earthquake Engineering Research (PEER) Next Generation Liquefaction Project (NGL)
<https://peer.berkeley.edu/ngl>
- Earthquake Engineering Research Institute (EERI) <https://www.eeri.org/>
- Geo-Engineering Earthquake Reconnaissance (GEER) <https://geerassociation.org/>
- Network for Earthquake Engineering Simulation (NEES)
- American Society of Civil Engineers (ASCE) <https://www.asce.org/>
- American Society for Engineering Education (ASEE)
- Consortium of Universities for Research in Earthquake Engineering (CUREE)

Design and Consulting Experience

- Consultant to Northrup Grumman, Roy Utah, 2024
 - Co-Author of the rewrite of NAVFAC 7.3 "Geotechnical Earthquake Engineering Design Manual" for the U.S Department of Defense, 2024
 - Consultant to ARM Group, Geofoam Design for the Geisinger Wyoming Valley Hospital, Wilkes-Barre, Pennsylvania, 2024
 - Consultant to Layton Construction, Geofoam Design for University of Utah Rice Eccles Stadium, Salt Lake City Rice Eccles Stadium, 2020 to 2021
 - Consultant to Macro Industrial, MRT 7, Metro Manila Light Rail System, Geofoam Embankment Design, 2021.
 - Consultant to Wilding Engineering and PacifiCorp, Seismic Substation Design, Bridgerland and Clover Substations, 2021.
 - Consultant to Oracle Construction, 5600 W. Geofoam Embankment, Salt Lake City, Utah. 2020.
 - Consultant to AECOM, Gordie Howe International Bridge Project, I-75 Interchange, Michigan, 2019-2020.
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- Consultant to Auercon, Geofoam Cover System for Liquid Gas Pipeline, Lynnwood Ridge, South Africa, 2020.
 - Technical Advisory Panel Member for Port of San Francisco, Mission Rock Development Project, Light-weight Cellular Concrete Design Review, San Francisco, California, 2019.
 - Consultant to Stantec, Green Roof Design and Seismic Evaluations of George Lucas Museum of Narrative Arts, Los Angeles, California, 2018 to 2019.
 - Consultant to Stantec, Seismic Stability Evaluations for Design Study Report, Geofoam Cover System for WMU32 Closure, Tesoro Martinez Refinery, Martinez, California, 2019-2020.
 - Consultant to AECOM, Engineering Design, Construction Services, New Water Reclamation Facility, Salt Lake County, Utah, 2018 to 2019.
 - Consultant to Covintec, Design of bridge approach replacement and reconstruction with EPS Geofoam, Lerma, Mexico, 2017.
 - Consultant to Maltani Global Korea Limited, Evaluation of EPS geofoam use for Steel Building Erection Facility, Gusan City, South Korea, 2016.
 - Consultant to AFM Corporation, Simplified Vertical Stress Calculations in Geofoam Roadway Systems, Minnesota, US, 2015.
 - Consultant to Oracle Construction, P-8 Aircraft Stress Distribution Calculations for Airport Taxiway Constructed atop EPS Geofoam, Maryland, U.S., 2015
 - Consultant to Supreme Petrochem Ltd., Mumbai, India, Calculation for the use of EPS-block under airport runway, 2015.
 - Consultant to Oracle Construction, Seismic Calculations for EPS geofoam used for the rooftop of the residential complex, 625 W. 57th St. NY, NY, 2015.
 - Consultant to Oracle Construction, EPS Stress Calculations, Paseo Del Norte Interchange, 2014.
 - Consultant to Mega Packaging, Design of EPS roadway widening project, Santa Rosa, Philippines, 2014.
 - Consultant to Oracle Construction and FFKR Architects, 3D Stress Distribution Calculations for Truck Loadings, Provo, LDS Temple, Provo, Utah, 2014.
 - Consultant to Oracle Construction, US, 3D Stress Distribution Calculations for Truck and Tire loadings to EPS Geofoam Embankment, Truck On-Ramp, Ohio, 2014.
 - Consultant to Insulation Factory Ltd. Industrial City, EPS Cover System, and Design, Phase #3 Road No. 311, Jeddah, Kingdom of Saudi Arabia, 2014.
 - Consultant to Oracle Construction, US, EPS Stress Distribution Calculations for Bridge Approach, Route 49, New Jersey, 2014.
 - Consultant to ACH Foam, Evaluation of EPS Cover System to protect the subsiding pipeline, Brian Head Ski Resort, Cedar City, Utah, 2013.
 - Consultant to Oracle Construction, US, 3D Stress Distribution Calculations for Truck and Tire loadings to EPS Geofoam Embankment, I-15 Brigham City, Utah, Interchange, 2013.
 - Consultant to Oracle Construction, US, Repair of EPS Block Wall, Quantico, Virginia, 2013.
 - Consultant to Macro Industrial, Design of EPS, Avida Cenetra Project, Manila, Philippines, 2013.
 - Consultant to Broadway Industrial Group Limited, Singapore, EPS Geofoam Application for Soft Ground Site, Disney Shanghai, China, 2012.
 - Consultant to Résonance Ingénieurs-Conseils, Carouge, Switzerland, Liquefaction and Lateral Spread Evaluation of an Industrial Complex Lonza, Visp, Switzerland, 2012.
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- Consultant to Oracle Construction, US, EPS Geofoam Ramp for Sufco Mine Car, Salina, Utah, 2012.
 - Consultant to Oracle Construction, Philippines, Consolidation and EPS Settlement Calculations for El Nido Airport Expansion, El Nido Philippines, 2012.
 - Consultant to Oracle Construction, US, EPS Geofoam Stress Distribution Analysis for Airport Bridge Approach Fill, Gary, Indiana, 2012.
 - Consultant to Oracle Construction, US, Settlement and Earth Pressure Analysis of EPS/MSE Wall System for Mitchell Ave., Ohio, 2012.
 - Consultant to Oracle Construction, Philippines, EPS Geofoam Placement at Capistrano Pump Station, Capistrano Road, Taguig, Philippines, 2012.
 - Consultant to Oracle Construction, Philippines, Use of EPS Geofoam to Remediate Roadway Damage, South Luzon Expressway, Philippines, 2012.
 - Consultant to Oracle Construction, Philippines, Design of EPS Geofoam Access and Perimeter Roads for Manila Sanitary Landfill, Manila Philippines, 2012.
 - Consultant to Tikalsky Engineering, Concrete Block Wall Investigations, Saint George, Utah, Oct. 2011.
 - Consultant to Gerhart-Cole, Ferron Dam Remediation, Ferron, Utah, Oct. 2011.
 - Consultant to Advanced Engineering Solutions, EPS Geofoam Design for Utah Transit Authority, West Valley Line, Salt Lake City, Utah, June 2011.
 - Consultant to Advanced Engineering Solutions, Settlement Evaluations, Fairlane Green Mall, Allen Park Michigan, Target Superstore, Detroit Michigan, May 2011.
 - Consultant to HDR, Seismic Design of Cellular Concrete Embankment for the Colton, Ca. Crossing, 2010-2011.
 - Consultant to Oregon Dept of Geology and Mineral Industries, Portland, Oregon, 2010.
 - Consultant to Oracle Construction, Geofoam Design for AWH Spine Road, Philippines, 2010.
 - Consultant to Oracle Construction, Geofoam Design for Santa Rosa Road access to SM Mall, Philippines, 2010.
 - Consultant to Oracle Construction USA and Scarsella Brothers Inc., Geofoam Approach Fill, Topaz Bridge, Idaho, 2010.
 - Consultant to HDR, St. Louis BPS-Tucker Boulevard Phase 2, Geofoam Embankment Design, St. Louis Missouri, 2009.
 - Consultant to Oracle Construction Philippines, Tagatay Highlands Development, Geofoam Stabilization of Landslides at Woodridge Development, Luzon, Philippines, 2009.
 - Consultant to Oracle Construction Philippines, Philkoi Development, Geofoam Roadway Evaluations, Manila Bay Philippines, 2009
 - Consultant to Oracle Construction Philippines, Pagcor Development, Geofoam Landscaping, and Seismic Evaluations, Manila Bay, Philippines, 2009.
 - Consultant to Oracle Construction Philippines, North Luzon Elevated Expressway Geofoam Evaluations and Seismic Stability, Manila, Philippines, 2009.
 - Consultant to Timpanogos Constructors, Seismic and Liquefaction Evaluations, I-15 Core Project, Utah Co., Utah, 2009.
 - Consultant to Kiewit, SR519 Project, Geofoam Design and Construction, Seattle, Washington, 2009.
 - Consultant to Parson/Kiewit, Beck Street Project, Seismic and Liquefaction Evaluations, Salt Lake City, Utah, 2008-2009.
 - Consultant to URS Corporation, Seismic Evaluations for LDS Church Temples in Utah, 2008-2009.
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- Consultant to URS Corporation, Development of Site-specific Response Spectra, I-80 Reconstruction, State Street to 1300 East, Salt Lake City, Utah, 2007.
 - Consultant to Draper City, Development of Geohazard Ordinance, 2007.
 - Consultant to Questar Gas, Seismic design of high-pressure gas line at Wasatch Fault crossing, Salt Lake City, Utah, 2007.
 - Consultant to Walker and Monitz, Evaluation of Pavement Failure at Hershey Distribution Center, Salt Lake City, Utah, 2006.
 - Design Development and Review of Geofoam Slope for SR 264 at Second Mesa for Advanced Engineering Solutions, Second Mesa, Arizona, 2006.
 - Design Review of Geofoam Remediation of an MSE wall failure for Advanced Engineering Solutions, Mescalero, New Mexico, 2005.
 - Conceptual Design, Altinova, Turkey Naval Facility, review and modeling of ground improvement to mitigate liquefaction and seismic ground deformation for Geopier International Corporation, 2005.
 - Consultant to Simon-Bymaster Inc., assessment and foundation underpinning of LDS Church, Stockton, Utah, 2005.
 - Consultant to Applied Engineering Solutions, Instrumentation of geofoam embankment over the municipal waste landfill, Target Store, Detroit Michigan, 2004.
 - Utah Division of Water Quality, Review of Site Requirements for Septic Tanks and Drain Fields, November 2004.
 - Expert Witness, H-K Contractors versus North Davis Sewer District, Davis Co., Utah, 2004.
 - Senior Consultant, Central Weber Sewer, and Water Improvement District, Weber Co., Utah, Review of Ground Response Analysis Performed by Terracon Consultants Inc., 2003.
 - Design Review, Arizona Department of Transportation, Geofoam Landslide Stabilization, State Route 264 at Second Mesa, October 2003.
 - Expert Witness for the State of Utah in litigation and hearings before the US Nuclear Regulatory Commission Atomic Safety and Licensing Board for the License Application of the Private Fuel Storage Facility, Skull Valley Utah, 1999 to 2002.
 - Reviewer, Metropolitan Water District of Salt Lake and Sandy, Utah, Review of Seismic Design Policy, 2003
 - Geotechnical Designer, I-15 Reconstruction Design-Build Team, Geotechnical Design Engineer, Woodward Clyde Consultants, 1997 - 1998.
 - Designer, Kennecott Utah Copper Tailing Impoundment Modernization Project, Geotechnical Design Engineer, Woodward-Clyde Consultants, 1997.
 - Consultant, Salt Lake City Airport, Reliability Analysis of Control Two Foundation Excavation Failure, Woodward-Clyde Consultants, 1997.
 - Designer, Wasatch County Water Efficiency Project, Geological and Geotechnical Investigations, Woodward-Clyde Consultants, 1997-1998.
 - Designer, Bear River Pipeline Alignment Study, Geological and Geotechnical Investigations for the Salt Lake Water Conservancy District, Woodward-Clyde Consultants, 1997.
 - Investigator, Delta, and Gunnison Bend Dam Seismic Stability Investigations for the State of Utah, Dam Safety Program, Woodward-Clyde Consultants, 1997.
 - Designer, Seismic Retrofit of Salt Lake City Waste Water Treatment Plant Effluent Pump Building, Geotechnical Design Engineer, Woodward-Clyde Consultants, 1996.
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- Investigator, Cainville Dam, Wayne County Utah, Geological and Geotechnical Investigations of Proposed Reservoir and Dam Site, Woodward-Clyde Consultants, 1996.
- Investigator, Hurricane Bridge Foundation Investigation, Geological and Foundation Investigations for the Utah Department of Transportation, Woodward-Clyde Consultants, 1996.
- Designer, ITP/H-Area Tank Farm Geotechnical Investigations and Seismic Qualification, Department of Energy, Savannah River Site, Principal Investigator for Westinghouse Savannah River Company, 1993-1995.
- Designer, CERCLA and RCRA Hazardous Waste Landfill Investigations and Closure Design, Department of Energy, Savannah River Site, Project Manager, Westinghouse Savannah River Company, 1991-1992.

Media Exposure

- Largest Geofoam Project in the World: I-15 Salt Lake City, Produced for the EPS Industry by Huntsman Corporation. <https://www.youtube.com/watch?v=T8bE2ZVUUno>
- ASCE OCEA (Outstanding Civil Engineering Achievement Award) (2002) <https://www.asce.org/career-growth/awards-and-honors/outstanding-civil-engineering-achievement-award/outstanding-civil-engineering-achievement-award-past-award-winners>
- <https://www.youtube.com/watch?v=Rhpv6O5Loeg&list=PLdtWnjeZEGbb7oumA6hHCfdl6f7Z-w6pq&index=3>
- EPS Geofoam for Utah Transit Authority TRAX West Valley Line, KSL TV (2010) <https://www.youtube.com/watch?v=oPBFZuV8qHM>
- KSL TV - Salt Lake City. ACH Foam Technologies' EPS Geofoam for Lightrail Lightweight Embankment Fill Beneath TRAX West Valley Line, KSL TV (2010)
- <https://www.youtube.com/watch?v=Z9kXjTZekmc>
- Foam-Control® Geofoam Engineered Lightweight Fill
- <https://www.youtube.com/watch?v=VTjPM8FeuvQ&list=PLdtWnjeZEGbb7oumA6hHCfdl6f7Z-w6pq&index=5>
- ASCE Civil Engineering Sources <https://www.asce.org/publications-and-news/civil-engineering-source/civil-engineering-magazine/article/2023/01/if-the-earth-moves-this-flexible-iron-pipe-moves-too>
- ASCE Civil Engineering Magazine (2013), "Ingenious Infill, <http://ascelibrary.org/doi/abs/10.1061/ciegag.0000455>
- Municipal Sewer and Water (2014), Protecting your pipes, http://www.mswmag.com/editorial/2014/07/protecting_your_pipes
- EPS-Pipeline research quoted in North American Oil and Gas Pipelines (2013), <http://www.achfoam.com/Media-Coverage-2011.aspx>
- Colton Crossing Flyover, American Society of Civil Engineers (ASCE) (2015), <https://www.youtube.com/watch?v=1ItEdTsDnmo>
- ASCE OCEA Project Finalist (2015), Announced in Civil Engineering Blog and New Network, http://blogs.asce.org/ocea-project-finalists-the-colton-crossing-flyover/?_ga=1.86117272.1685517799.1430844099
- Colton Crossing: Relieving the Oldest Bottleneck in US History, HDR (2015), <https://www.youtube.com/watch?v=JulD4jZTv9Y>

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- OCEA Project Finalist – Colton Crossing Flyover, ASCE News (2014), <http://news.asce.org/ocea-project-finalist-colton-crossing-flyover/>
 - Interview, Asia New Communication TV, Republic of Korea, Apr. 2019
<http://www.anews.com/detail.php?number=1672862&thread=03r02>
 - "University of Utah Engineering students study traffic in Little Cottonwood Canyon, make suggestions for future," Fox 13 News, <http://fox13now.com/2018/04/22/university-of-utah-engineering-students-study-traffic-in-little-cottonwood-canyon-make-suggestions-for-the-future/>
 - "New study proposes mass transit and toll to alleviate congestion in Little Cottonwood Canyon," Channel 4 News, <http://www.good4utah.com/news/local-news/new-study-proposes-mass-transit-and-toll-to-alleviate-congestion-in-little-cottonwood-canyon/1129190835>
 - "Study recommends toll for Little Cottonwood Canyon's traffic troubles," <https://www.ksl.com/?sid=46301090&nid=148&title=study-recommends-toll-for-little-cottonwood-canyons-traffic-troubles>
 - "Little Cottonwood Canyon, "Students may have solutions for congestion, April 20, 2018, Salt Lake Tribune," <https://www.sltrib.com/news/environment/2018/04/19/university-of-utah-students-offer-plan-to-solve-gridlock-in-little-cottonwood-canyon-without-adding-pavement/>
 - "Put in Toll for Little Cottonwood Canyon Road," Deseret News, Tuesday, April 17, 2018, <https://www.deseretnews.com/article/900015976/study-recommends-toll-for-little-cottonwood-canyons-traffic-troubles.html>
 - Big Cottonwood Canyon Improvements (2017)
<http://www.sltrib.com/news/5195044-155/university-of-utah-students-say-charging>
<http://www.deseretnews.com/article/print/865678343/U-engineering-study-recommends-variable-toll-for-Big-Cottonwood-Canyon.html>
 - http://blogs.asce.org/ocea-project-finalists-the-colton-crossing-flyover/?_ga=1.86117272.1685517799.1430844099
 - <http://www.cenews.com/print-magazinearticle-protecting-pipelines-from-efte-9437.html>
 - Department of Geology and Mineral Industries regarding earthquake and liquefaction hazard study completed for port and energy facilities in Portland, Oregon,
<http://nwnewsnetwork.org/post/extended-fuel-shortages-predicted-quake-risk-study>
 - "Towards More Disaster Resistant Communities," Shaky Wasatch KCPW Public Radio, Science and Technology Series, Mar. 2, 2006

Presentations at International Conferences / Seminars

- "Geofoam Applications for Coastal Engineering", invited speaker, technical presentation to Neom, Hexagon Project, and the Ministry of Energy, Neom, Saudi Arabia, Nov. 21st, 2023 (virtual).
 - "Geofoam Applications for Green Infrastructure", invited speaker, technical presentation to the Neom, Saudi Arabia, Civil Engineering Technology and Implementation Group, Nov. 14th, 2023 (virtual).
 - "Application of Lightweight Fills in Civil and Transportation Engineering", keynote address, South African Institution of Civil Engineers, Feb. 9th, 2022 (virtual).
 - "Design Considerations and Applications of Lightweight Materials for Earthquake-Resistant Infrastructure", Lightweight Fill Conference, October 19-21, 2021 (virtual).
 - "Application of Lightweight Materials to Support Rail Systems", Lightweight Fill Conference, October 19-21, 2021 (virtual).
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- "Construction and Long-Term Performance of Interstate Constructed on EPS Geofoam", DPHW Research Symposium 2021, Keynote Speaker, Manila, Philippines, Nov. 9th, 2021 (virtual)
- "Liquefaction Evaluations and Mapping," Korean Institute of Civil Engineering and Building Technology, Invited Speaker, August 7th, 2019.
- "Reduction of Seismic Vulnerability," Korean Society of Geotechnical Engineers, Seoul, South Korea, Invited Speaker, May 31st, 2019.
- "Design and Evaluation of Seismic Stability of Free-standing EPS Geofoam Embankments for Transportation Systems," EPS 2018, Kyrenia, Northern Cyprus, May 9th, 2018.
- "Bridge Foundations Supported by EPS Geofoam Embankments on Soft Soils," EPS 2018, Kyrenia, Northern Cyprus, May 9th, 2018.
- "Construction and Performance of EPS Geofoam for Transportation Projects" (invited speaker), Central Road Research Institute, New Delhi, India, Oct. 15th, 2015
- "Geofoam Basic Concepts and Applications," Ministry of Road Transport and Highways, (invited speaker), New Delhi, India, Oct. 16th, 2015.
- "Construction and Performance of EPS for Transportation Projects: I-15 Interstate and UTA Light-Rail and Commuter Rail Case Histories," (keynote address) 1st Geofoam Conference in Latin America, Mexico City, Mexico, February 24th, 2015.
- "EPS-block Geofoam in Civil Engineering Applications," (keynote address), Conference on Geosynthetic Uses and Applications, Bogazici University, Istanbul, Turkey, May 29th, 2014.
- "Protection of Pipelines and Buried Structures Using EPS Geofoam," (Invited Session Theme Lecturer), GeoShanghai 2014, Shanghai, China, May 25th to 27th, 2014.
- "Dynamic Properties of EPS Geofoam from Cyclic Uniaxial Tests with Initial Deviator Stress," EPS 2011, Oslo, Norway, June 5th to 8th, 2011.
- "Applications of EPS Geofoam in Design and Construction of Earthquake Resilient Infrastructure," EPS 2011, Oslo, Norway, June 5th to 8th, 2011.
- "Construction and Long-Term Performance of Transportation Infrastructure Constructed Using EPS Geofoam on Soft Soil Sites in Salt Lake Valley, Utah," EPS 2011, Oslo, Norway, June 5th to 8th, 2011.
- "Instrumentation and Long-Term Monitoring of Geofoam Embankments, I-15 Reconstruction Project, Salt Lake City, Utah," EPS Geofoam 2001, 3rd International Conference, Salt Lake City, Utah, December 10th to 12th, 2001.
- "Design of Geofoam Embankment for the I-15 Reconstruction," (invited speaker), Conference on Application and Design of Expanded Polystyrene, Sponsored by Taiwan Area National Expressway Engineering Bureau and China Engineering Consultants, Inc., Taipei, Taiwan, March 3rd, 2000.

Presentations at National / Regional Conferences

- Application of Lightweight Fills in Civil and Transportation Engineering, (Keynote Speaker), American Society of Civil Engineers, Kansas City Geo Institute, Jan. 28th, 2022.
- Evaluation and Performance of Lightweight Materials Supporting Rail Systems," American Society of Civil Engineers, Kansas City GeoInstitute, Jan. 28th, 2022.
- "Design and Construction Alternatives for the Songdo Bypass Highway," Presentation to the Korean Ministry of Land Infrastructure and Transport, June 5th, 2020.
- "Seismic Considerations and Design Methodology for Light-weight Cellular Concrete Embankments and Backfill," 49th Annual Southeastern Transportation and Geotechnical Engineering Conference

(STGEC), Louisville, Kentucky, October 8, 2018.

- "Long-Term Settlement Performance Monitoring, I-15 Reconstruction Project, Salt Lake City, UT, ASCE GeoOmaha, Omaha, Nebraska, February 9th, 2018.
 - "Seismic Considerations and Design Methodology for Light-weight Cellular Concrete Embankments and Backfill," Keynote Speaker, Webinar hosted by Aerix Industries, Dec. 6th, 2017.
 - "Guidelines for Geofoam Applications in Slope Stability Projects," Transportation Research Board Webinar, Invited Presenter, July 27th, 2017.
 - "Applications of Expanded Polystyrene Geofoam for Transportation Infrastructure, Overview of Functions Applications, Design Considerations and Guidelines," Invited Speaker, Transportation Research Board Workshop 178, January 8th, 2017.
 - "PEER – Development of Next Generation Liquefaction (NGL) Database for Liquefaction-Induced Lateral Spread," (invited speaker), Pacific Earthquake Engineering Research (PEER) Workshop, Berkeley, California, Feb. 5th, 2016.
 - "EPS Geofoam Construction and Performance in Rail, Bridge and Pavement Systems," (invited speaker), ACH Foam National Meetings, Atlanta, Georgia, March 18th, 2015.
 - "Protection of Pipelines from Permanent Ground Deformation Using EPS Geofoam," (invited speaker), Basin and Range Province Seismic Hazard Summit III, Salt Lake City, Utah, Jan. 12-17, 2015.
 - "Lateral Spread Database Quality and Needs," (invited speaker) Workshop on the Development of the Next Generation Liquefaction Database, Pacific Earthquake Engineering Research (PEER) Workshop, Berkeley, California, March 17th, 2014.
 - "Simplified Methods for Estimating Settlement and Lateral Spreading," (invited speaker) Workshop on the State of Art and Practice in Earthquake Induced Soil Liquefaction Assessment," National Research Council of the National Academies, Phoenix Arizona, March 10-11th, 2014.
 - "EPS Geofoam in Civil Engineering Applications," ACH Foam Technologies National Mtgs., Denver Colorado, Feb. 14th and 15th, 2012.
 - "Liquefaction Hazard Mapping of the Salt Lake Valley, Utah," 61st Annual Meetings of the Geological Society of America, Orem, Utah, May 11-13, 2009.
 - "Introducing Risk-Based Performance Standards in Earthquake Hazard Ordinances," Earthquake Engineering Research Institute National Meetings, Salt Lake City, Utah, February 11-14, 2009.
 - "Evaluating the Seismic Stability and Performance of Freestanding Geofoam Embankment," 6th National Seismic Conference on Bridges and Highways, Charleston, SC, July 27th –30th 2008.
 - "Geofoam Construction, Long-Term Performance, and Innovative Uses," ACH Foam Technologies National Mtgs., Kansas City, Mo., February 8, 2008.
 - "I-15 Test Bed Projects Overview," I-15 National Testbed Technology Transfer Symposium, Salt Lake City Utah, Sept. 17-18, 2003.
 - "Performance of Lime Cement Stabilized Soil for the I-15 Reconstruction Project," I-15 National Testbed Technology Transfer Symposium, Salt Lake City Utah, Sept. 17-18, 2003.
 - "Site-Specific Response Analyses and Design Spectra for Soft Soil Sites," I-15 National Testbed Technology Transfer Symposium, Salt Lake City Utah, Sept. 17-18, 2003.
 - "Long-Term Monitoring of Geofoam Embankments, I-15 Reconstruction," I-15 National Testbed Technology Transfer Symposium, Salt Lake City Utah, Sept. 17-18, 2003.
 - "Embankment Performance Studies, Overview," I-15 National Testbed Technology Transfer Symposium, Salt Lake City, Utah, Sept. 17-18, 2003.
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- Consolidation Properties from Field and In-situ Testing," I-15 National Testbed Technology Transfer Symposium, Salt Lake City, Utah, Sept. 17-18, 2003.
- "Design, Construction, and Monitoring of Geofoam Embankments," North American Geotechnical Society, Past President's Seminar, Syracuse, New York, May 15th, 2002.
- "Instrumentation and Construction Performance Monitoring for the I-15 Reconstruction Project, Salt Lake City, Utah," Transportation Research Board Annual Meetings, Washington, D.C., January 7th to 11th, 2001.
- "Design and Use of Geofoam on the I-15 Reconstruction Project," Transportation Research Board Annual Meetings, Washington, D.C., January 9th to 13th, 2000.
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- "Geofoam Design, Construction, and Research on the I-15 Corridor Reconstruction Project," Annual Meeting of the Society of the Plastics Industry, Inc., New Orleans, Louisiana, April 23rd to 24th, 1998.
- "Prediction of Liquefaction-Induced Ground Displacement Near Bridges," US National Earthquake Conference, Memphis, Tennessee, May 2nd to 5th, 1993.
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- "Case Studies of Liquefaction-Induced Ground Failures," Address to the Symposium on Earthquake-Induced Landslides, Joint Meetings of the Cordilleran and Rocky Sections, Geological Society of America, Spokane Washington, May 8th to 11th, 1989.

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- Development of a Stormwater Detention/Infiltration System for Urban Highways. Steven Bartlett. TriDurLE Center - US DOT, 10/01/2021 - 09/30/2023. \$100,147.00. Your share: \$100,147.00.
- Development of a Stormwater Detention/Infiltration System for Urban Highways. Steven Bartlett Jungsoo Choi. Urban Land Housing Corporation - Republic of Korea, 10/01/2021 - 09/30/2023. Submitted: 03/21/2021. Total project funding: \$40,000.00. Your share: \$40,000.00. Status: In progress, Global Impact (Republic of Korea).
- Development of Next Generation Liquefaction (NGL) Database for Liquefaction-Induced Lateral Spread, FHWA Pooled Fund Study, Contract Amendment 1, \$29,645.07, 2019.
- Mitigation of Differential Settlement at Highway Bridge Approaches, Mountain Plains Consortium (MPC), \$40,000, 2018.
- Probabilistic Liquefaction Triggering and Lateral Spread Hazard Maps for Davis, Weber, and Salt Lake Counties, Utah Department of Transportation, \$8,011, 2018.
- Mitigation of Differential Settlement at Highway Bridge Approaches, Utah Department of Transportation, \$104,368, 2018.
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- Probabilistic Liquefaction Triggering and Lateral Spread Hazard Maps for Davis, Weber and Salt Lake Counties, United States Geological Survey, National Earthquake Hazards Reduction Program, Intermountain West, \$45,159, 2017.
- Development of Next Generation Liquefaction (NGL) Database for Liquefaction-Induced Lateral Spread, Mountain Plains Consortium (MPC), \$51,682, 2017.

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- Development of Next Generation Liquefaction (NGL) Database for Liquefaction-Induced Lateral Spread, FHWA Pooled Fund Study, Utah Department of Transportation Lead State and Contracting Party, \$110,355, 2016.
 - Evaluation of Seismic Ground Response and Soil-Structure Interaction for High-Level Spent Fuel Casks on Concrete Pads, as part of Seismic Performance of Dry Casks Storage for Long-Term Exposure Sponsored by Department of Energy, INL, \$873,320 (total), \$23,056 Dr. Bartlett' part, 2013-2016.
 - Evaluation of Geofoam for Support of Freight Rail Tracks and Deflection and Vibration Monitoring of EPS Embankments for Light-Rail and Heavy Rail Applications, National Center for Freight and Infrastructure Research and Education (CFIRE) in collaboration with the U. of Memphis, \$40,352 (Dr. Bartlett's part), \$90,278 (total), 2013.
 - Highway Structures Supported on Expanded Polystyrene (EPS) Embankment without Deep Foundations, Mountain Plains Consortium (MPC) and Norwegian Public Roads Administration (NPRA), \$25,053 (Dr. Bartlett's part), \$57,133 (total), 2013.
 - Implementation of Risk-Based Liquefaction Maps in Hazard Ordinances and Risk-Based Decision Making and Traffic Modeling of Liquefaction-Induced Damage to Transportation System in Salt Lake Valley, Utah, Federal Emergency Management Administration (FEMA) and the Utah Department of Public Safety, \$65,717 (Dr. Bartlett's part), \$95,588 (total), 2013.
 - Surcharge Design and Evaluations to Reduce Secondary Consolidation Settlement of Embankments, Utah Department of Transportation and Mountain-Plains Consortium, \$66,000, 2012.
 - Lateral Spread Ground Failure Maps for Weber County, Utah, United States Geological Survey, National Earthquake Hazards Reduction Program, Intermountain West, \$33,507, 2012.
 - Use of Adhesive for EPS Geofoam Block, Insulfoam Corp., \$6000, 2012.
 - Lateral Spread Hazard Evaluations for Weber County, Utah, Principal Investigator, \$25,000, Weber Basin Water Conservancy District, 2010.
 - Geotechnical Analysis and Design of Foundations for Transmission Line Structures at Three Locations, Co-PI with Dr. Evert C. Lawton, PacifiCorp, \$288,546, Dr. Bartlett's part (\$95,220) 2010.
 - EPS Geofoam for Protection of Buried Pipelines, Geosynthetic Institute, \$10,000 fellowship grant to graduate student Bret Lingwall, 2010.
 - High Strength Concrete Coating (Gigacrete) for EPS Embankments, \$6,000 grant, Oracle Construction, Manila Philippines, Principal Investigator, 2009.
 - Improved Stability and Consolidation Assessment of Embankments, \$100,000, Utah Department of Transportation, Co-PI with Dr. Evert Lawton, Dr. Bartlett part (\$50,000), 2008-2009.
 - Development of an EPS (Expanded Polystyrene) Geofoam Cover System for High-Pressure Gaslines subjected to Vertical Offset during Normal Faulting, Principal Investigator, \$77,040, Questar Gas Corporation, Salt Lake City Utah, 2008.
 - Bechtel Technical Grant, EPS Geofoam Trench and Cover System for High-Pressure Gas lines subjected to Horizontal Offset during Strike-Slip Faulting, Principal Investigator, \$39,995, 2008.
 - Seismic Performance of a High-Pressure Gas line crossing a Normal Fault, Principal Investigator, \$2,500 grant, Questar Gas, Salt Lake City, Utah, 2007.
 - Probabilistic Liquefaction Potential and Liquefaction-Induced Ground Failure Maps for the Urban Wasatch Front: Phase IV, United States Geological Survey, National Hazards Reduction Program, Principal Investigator, \$56,441, 2007.
 - Assessment and Prioritization of UDOT Transportation Lifelines and Identification of Critical Bridges," Utah Department of Transportation and Mountain-Plains Consortium, Co-PI with Dr. Peter Martin,
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funding \$100,000 (Dr. Bartlett's part, \$60,000) 2006 – 2007.

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 - University of Utah Seismic Mitigation Plan - Assessment of the Seismic Vulnerability of the University of Utah Buildings, Sponsored by Federal Emergency Management Agency and the Utah Department of Homeland Security, Co-PI with Drs. LD. Reaveley and Ryan Smith, 2006-2008, Co-PI, \$43,409 (Dr. Bartlett's part), 2006 – 2007.
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 - Evaluation of Construction and Long-Term Performance of Innovative Foundation Treatments Used on the I-15 Reconstruction Project, Federal Highways Administration (FHWA) and Utah Department of Transportation (UDOT), Phase II, Principal Investigator, \$146,606, 2005-2010.
 - Probabilistic Liquefaction and Potential Liquefaction-Induced Ground Failure Maps for the Wasatch Front: Phase II, United States Geological Survey, National Hazards Reduction Program, Principal Investigator, \$19,868, 2005.
 - Cosmic Ray Observatory, Delta Utah, Array Reconnaissance, University of Utah Vice President Office of Research, \$8,500 (Dr. Bartlett's part), 2004.
 - Tooele Army Depot Noise Compliance Monitoring, United States Department of Defense, Department of the Army, Tooele Army Depot, Tooele, Utah, Principal Investigator, \$14,610, 2004.
 - Development of Probabilistic Liquefaction Susceptibility and Lateral Spread Displacement Maps from National Strong Ground Motion Maps, Phase I, United States Geological Survey, National Earthquake Hazards Reduction Program, Principal Investigator, Co-PI with Dr. Loren Anderson (USU) and Barry Solomon (UGS), \$40,845 (Dr. Bartlett's part), 2004.
 - Soil Mechanics Laboratory Testing Equipment, University College of Engineering Base Engineering Equipment Fund (BEEF), funded \$30,150 (CVEEN amount), 2003.
 - Estimation of Consolidation and Drainage Properties of Soft Soils from In Situ and Laboratory Methods, Federal Highways Administration (FHWA) and the Utah Department of Transportation (UDOT), Co-PI with Dr. Evert Lawton, \$112,576 (Dr. Bartlett's part), 2003.
 - Estimation of Consolidation and Drainage Properties of Soft Soils from In Situ and Laboratory Methods, Federal Highways Administration (FHWA) and the Utah Department of Transportation (UDOT), Co-PI with Dr. Evert Lawton, \$31,955 (Dr. Bartlett's part), 2002.
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 - Development of Design Response Spectra for Soft Soil Sites from Probabilistic Based Bedrock Spectra, Utah Department of Transportation, Principal Investigator, \$43,269, 2001. Evaluation of Construction and Long-Term Performance of Innovative Foundation Treatments Used on the I-15 Reconstruction Project, Federal Highways Administration (FHWA) and Utah Department of Transportation (UDOT), Phase I, Principal Investigator with Utah Department of Transportation, \$130,000 1999-2000.
 - Deformation and Modeling of MSE Wall Behavior, I-15 National Testbed Program, Sponsored by the Federal Highways Administration and the Utah Department of Transportation, Co-Principal Investigator with Utah Department of Transportation in conjunction with Drs. Loren Anderson and
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James Bay, Utah State University and Utah Department of Transportation, 1999-2000.

- Evaluation of Properties and Long-Term Performance of Geofoam Fills, I-15 National Testbed Program, Sponsored by the Federal Highways Administration and the Utah Department of Transportation, Co-Principal Investigator with the Utah Department of Transportation in conjunction with Dr. Dawit Negussey, Syracuse University, 1998-2000.
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 - Amini, Z. and Bartlett, S. F., 2013, "EPS Geofoam Adhesive Bond Strength Evaluation for Improving Sliding Resistance for Seismic and Construction Applications," Prepared for InsulFoam Corporation, 157 p.
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 - Farnsworth, C. B. and Bartlett, S.F., 2012, "I-15 Reconstruction and Long-Term Embankment Monitoring Study, Final Report," Report No. UT-12.18, Prepared for the Utah Department of Transportation Research Division, Report, May 2012, 207 p.
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 - Bartlett, S.F., Lawton, E.C., and Meng, X., 2011, "Estimation of Liquefaction-Induced Lateral Spread from Numerical Modeling and Its Application," Prepared for the Utah Department of Transportation Research Division Report, Oct. 2011, 238 p.
 - Bartlett, S.F., 2011, "Evaluation of the Seismic Stability of Light-Weight Concrete Embankment, Colton Crossing, California," prepared for HDR Consultants, Omaha Nebraska, April 2011, 223 p.
 - Bartlett, S.F., Zhou, X., Stevanovic, A., Kim, H. C., 2010, "Seismic Vulnerability of UDOT Lifelines in Salt Lake County, Utah," Prepared for the Utah Department of Transportation Research Division, Report, Oct. 2010, 258 p.
 - Bartlett, S. F., 2010, "Probabilistic Liquefaction Potential and Liquefaction-Induced Ground Failure Maps for the Urban Wasatch Front, Phase II, FY2005, USGS Technical Report, Research Grant 05HQGR0017, Sept. 2010, 19 p.
 - Gillins, D. T. and Bartlett S. F., 2010, "Lateral Spread Ground Failure Maps and Evaluations for Weber County, Utah," Weber Basin Water Conservancy District, Utah, Sept 2010, 33 p.
 - Bartlett, S. F. and Lawton E.C., 2010, "Geological Investigations of Drill Shaft Sites," Prepared for PacifiCorp, July 2010, 25 p.
 - Bartlett, S. F., Gerber, T. M., Hinckley, D., 2010, "Probabilistic Liquefaction Potential and Liquefaction-Induced Ground Failure Maps for the Urban Wasatch Front: Phase IV, Fiscal Year 2007: Collaborative Research with University of Utah and Brigham Young University," USGS Technical Report, Research Grant Awards 07HQGR0021 and 07HQGR0024, March 2010, 144 p.
 - Bartlett, S. F., Ericksen, G., Leeflang, B., Solomon, B. J., 2010, "Probabilistic Liquefaction Potential and Liquefaction-Induced Ground Failure Maps for the Urban Wasatch Front: Phase III, Fiscal Year 2006," USGS Technical Report, Research Grant Award 06HQGR0015, March 2010, 198 p.
 - Lingwall, B., Bartlett, S.F. and Trandafir, A.C., 2009, "Protection of Buried Pipelines for Permanent Ground Displacement Using EPS Geofoam," Technical Report Prepared for Questar Corporation, October 2009, 255 p.
 - Farnsworth, C. B. and Bartlett S. F., 2009, "Evaluation of Methods for Determining Horizontal Drainage Properties of Soft, Clayey Soils," Utah Department of Transportation Research Report No. UT-08.11, 184 p.
 - Bartlett, S. F., Trandafir, A.C., and Higley, B. J., 2009, "Bond Strength of MegaCrete™ Facing on Expanded Polystyrene for Highway Embankments," Technical Report Prepared for Mega Packaging Corporation, Manila, Philippines, April 2009, 20 p.
 - Cline, M. D., and Bartlett S. F., 2008, "Numerical Modeling of Settlement Behavior of Treated and
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Untreated Foundation Soils Underlying MSE Wall for the I-15 Reconstruction Project, Salt Lake City, Utah," Utah Department of Transportation Research Report No. UT-04.18, 62 p.

- Farnsworth, C. B. and Bartlett, S. F., 2008, "Evaluation of Rapid Construction and Settlement of Embankment Systems on Soft Foundation Soils." *UDOT Research Report No. UT-08.05*, Utah Department of Transportation, Salt Lake City, Utah, 66 p.
- Lingwall, B. and Bartlett, S. F. 2007, "Conceptual Design and Modeling: EPS Geofoam Cover System for Buried Pipelines," prepared for Questar Gas Corporation, Salt Lake City, Utah, Aug. 2007, 22 p.
- Bartlett, S. F., Ericksen, G., Leeflang, B. and Solomon, B.J., 2006, "Probabilistic Liquefaction Potential and Lateral Spread Displacement Hazard Maps for Salt Lake County," United States Geological Survey, USGS Award No. 06HQGR0015.
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- Bartlett, S.F., and Ozer, T., 2005, "Estimation of Consolidation Properties from In-Situ and Laboratory Testing," Utah Department of Transportation Research, Research Division, Report, 206 p.
- Erickson, G. and Bartlett, S. F., 2004, "Noise Assessment," Prepared for the Tooele Army Depot, Tooele County, Utah, 18 p.
- Bartlett, S. F., 2004, "Field Reconnaissance Report, Telescope and Auger Arrays, Cosmic Ray Observatory, Delta, Utah, University of Utah Physics Department, 55 p.
- Bartlett, S.F. and Farnsworth, C.B., 2004. "Monitoring and Modeling of Innovative Foundation Treatment and Embankment Construction Used on the I-15 Reconstruction Project, Project Management Plan and Instrument Installation Report," UDOT Research Report No. UT-04.19, 202 p.
- Bartlett, S. F. and Alcorn, D. P., 2004, "Estimation of Preconsolidation Stress and Compression Ratio from Field and Laboratory Measurements from the I-15 Reconstruction Project, Salt Lake City, Utah." Utah Department of Transportation Research Report No. UT-03.20, 87 p.
- Bartlett, S. F., 2004, "Ground Response Analyses and Design Spectra for UDOT Bridges on Soft Soil Sites," Utah Department of Transportation, Research Division Report, January 8, 2004, 195 p.
- Bartlett, S. F., and Lee, H., 2004, "Estimation of Compression Properties of Clayey Soils, Salt Lake Valley, Utah," Utah Department of Transportation Research Report No. UT-04.28, 44 p.
- Rouhani, S., Lin, Y. P., and Bartlett, S. F., 1995, "H-Area/ITP Geostatistical Assessment of In-Situ and Engineering Properties," Final Technical Report, ERDA Project No. 93044, September 5, 1995, Site Geotechnical Services, Westinghouse Savannah River Company, Aiken, South Carolina, 35 p.
- Bartlett, S.F. and Youd, T.L. 1992, Case Histories of Lateral Spreads Caused by the 1964 Alaska Earthquake: in Case Studies of Liquefaction and Lifeline Performance During Past Earthquakes: National Center for Earthquake Engineering Research Technical Report NCEER-92-0002, v. 2, 127 p.
- Bartlett, S. F., and Youd, T. L., 1990, "Evaluation of Ground Failure Displacement Associated with Soil Liquefaction: Compilation of Case Histories," Miscellaneous Paper S-73-1, US Army Corps of Engineers, 86 p.

Miscellaneous Reports

- Bartlett, S.F., 2021, "Construction Engineering ABET Self-Study Report," for the Construction Engineering Program at the University of Utah, July 1, 2021, 370 p.

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- [Bartlett, S.F., Peters, S., Arulmoli, A., 2020, "Mission Rock Lightweight Cellular Concrete Technical Advisory Panel Technical Review Report,"](#) Volume 1 – Main TAP Report, Prepared for Parsons – RJSD Joint Venture Team, May 7th, 2020, 121 p.
 - Bartlett, S.F., 2015, "ABET Self-Study Report," for the Civil Engineering Program at the University of Utah, July 1, 2015, 430 p.
 - Bartlett, S.F., 2014, "Expanded Polystyrene Design Study Report," prepared for Oracle Construction US, for repair of an EPS block wall, Quantico Marine Base, Quantico Virginia, 2014, 21 p.
 - Bartlett, S.F., 2012, "Liquefaction and Lateral Spread Potential, Site at Lonza aVisp," Switzerland, prepared for Résonance Ingénieurs-Conseils, Carouge, Switzerland, 19 p.
 - Bartlett, S.F., 2012, "Feasibility Report for Using EPS for Landfill Haul Roads and Dikes," prepared for Phil Ecology Corporation, Manila, Philippines, Jan. 2012, 17 p.
 - Bartlett, S.F. and Simon, D., 2007, "Appendix D, Minimum Standards for Liquefaction Investigations and Evaluations, Draper City, Utah Geologic Hazards Ordinance, 11 p.
 - Bartlett, S.F., Romero, P., Albright, R., 2006, "Pavement Evaluation and Recommendations, Warehouse Distribution Center, 1646 S. 4490 W., Salt Lake City Utah, 93 p., prepared for Zimmerman, Walker, and Monitz, Calabasas, California.
 - Bartlett S.F., and Lawton, E., 2005, "Strong Ground Motion and Deformation Modeling, Altinova Shipyard Facility, Altinova, Turkey," Technical Report for Geopiers Global, Inc., 55 p.
 - Maryak, M. E., Wyatt D. E., Bartlett, S. F., Lewis, M. R., and Lee R. C., 1995, "Geologic and Geotechnical Assessment RFETS Building 371, Rocky Flats, Colorado," WSRC-TR-0482, Westinghouse Savannah River Company, Aiken, South Carolina, 43 p.
 - Arango, I., Bartlett, S. F., Lewis, M. R., Maryak, M., Morin, J., Ostadan, F., Syms, F., 1995, "In-Tank Precipitation Facility (ITP) and H-Tank Farm (HTF) Geotechnical Report," Report No. WSRC-TR-95-0057, Rev. 0, September 1995, Westinghouse Savannah River Company, 133 p.
 - Bartlett, S. F., 1995, "Probabilistic Liquefaction Settlement Evaluation for the In-Tank Precipitation Facility (ITP)," Report No. C-CLC-H-00815, Westinghouse Savannah River Company, Aiken, South Carolina, 46 p.
 - Bartlett, S. F., 1995, "Geotechnical Seismic Assessment Report for the Defense Waste Processing Facility (DWPF)," Report No. SRC-TR-95-0072, Westinghouse Savannah River Company, Aiken, South Carolina, 48 p.
 - Bartlett, S. F., 1995, "Liquefaction Susceptibility and Settlement Analyses for the Consolidated Incineration Facility (CIF)," Report No. K-CLC-S-00002, Westinghouse Savannah River Company, Aiken, South Carolina, 27 p.
 - Bartlett, S. F., 1994, "Determination of Soft Zones and Consolidation Properties for the Santee Formation," Report No. K-CLC-H-00058, Westinghouse Savannah River Company, Aiken, South Carolina, 49 p.
 - Bartlett, S. F., 1993, "RCRA Facility Investigation / CERCLA Remedial Investigation for the Burma Road Rubble Pit," Environmental Restoration Department, Westinghouse Savannah River Company, Aiken, South Carolina.
 - Bartlett, S. F., 1992, "Empirical Analysis of Horizontal Ground Displacement Generated by Liquefaction-Induced Lateral Spreads," National Earthquake Engineering Research Center, NCEER Report #92-0021, 94 p.
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Monographs and Other Publications

- Editors, Arellano, D. Ozer, A. T., Bartlett, S.F. Vaslestad, J., 2018, "5th International Conference on Geofoam Blocks in Construction Applications," Proceedings of EPS 2018, Published by Springer, <https://www.springer.com/la/book/9783319789804>
- Stark, T. D., Bartlett, S. F. and Arellano, D., 2012, "Expanded Polystyrene (EPS) Geofoam Applications and Technical Data, The EPS Industry Alliance, 1298 Cronson Blvd., Suite 201, Crofton, MD 21114, p. 36a
- Bartlett, S.F., Lingwall, B. N., Trandafir, A. C. and Lawton E. C., 2012, "Protection of Steel Pipelines from Permanent Ground Deformation Using EPS Geofoam," in Increasing the Seismic Resilience of Natural Gas Systems - Select Topics of Interest, ASCE Technical Council and Lifelines and Earthquake Engineering, 33 p.

University and Departmental Service Positions

- U of U Academic Senate, Senator, 2022 to 2023
- U of U Senate Advisory Committee on Budget and Planning, 2016 – 2018.
- U of U CVEEN member of Construction Engineering Committee, 2019-present
- U of U COE ABET committee, 2013 – present.
- U of U CVEEN Strategic Planning Committee, 2023
- U of U Construction Engineering Committee Chair, 2020-2021
- U of U Construction Engineering ABET Coordinator, 2020-present
- U of U CVEEN Civil Engineering ABET Coordinator, 2013 – 2019
- U of U CVEEN Chair of Undergraduate committee, 2013 – 2019.
- U of U CVEEN Research Committee member, 2011 to present.
- U of U COE Physics Committee, 2012 - present
- U of U CVEEN Graduate Committee member, 2011 to 2012.
- U of U COE Math Committee, 2011 to 2012.
- U of U CVEEN Undergraduate Committee member, 2003 to 2011.
- U of U CVEEN Vice-Chair Undergraduate Committee, 2003 to 2011.
- U of U CVEEN Major Status Advisor, 2003 to 2011.
- U of U Undergraduate Council, member, 2005 to 2006.
- U of U CVEEN Graduate Committee, member, 2005 to 2007.
- ASCE Rocky Mountain Regional Conference Pre-design Host, 2005.
- U of U CVEEN Major Status Advisor, 2003 to present.
- U of U CVEEN Department Safety Officer, 2001 to 2006.

Undergraduate Courses Taught

- CVEEN 1000 Introduction to Civil and Environmental Engineering (Developed Course)
 - CVEEN 1400 Computer Aided Drawing and Drafting (Developed Course)
 - CVEEN 2000 Civil and Environmental Engineering Seminar
 - CVEEN 2140 Strength of Materials
 - CVEEN 2410 Geomatics (Developed Course)
 - CVEEN 3310 Geotechnical Engineering I
 - CVEEN 4900 Professional Practice and Design I
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- CVEEN 4910 Professional Practice and Design II
- CVEEN 5305 Introduction to Foundations Engineering
- CVEEN 5305 - 6330 Soil Dynamics and Earthquake Engineering (Developed Course)

Graduate Course Taught

- CVEEN 6340 Field and Laboratory Testing of Soils (Developed Course)
- CVEEN 6920 Design-Build of Geosystems (Developed Course)
- CVEEN 6920 Soft Ground Engineering (Developed Course)
- CVEEN 6920 Numerical Methods in Geotechnical Engineering (Developed Course)
- CVEEN 7920 Applied Continuum Mechanics to Geosystems (Developed Course)
- CVEEN 7330 Geotechnical Earthquake Engineering (Developed Course)

Short Courses Developed

- "Evaluation of Secondary Consolidation Settlement Associated with Embankment Construction for Fast-Paced Transportation Projects in Utah," Utah Department of Transportation, January 22nd, 2019.
- "Lightweight Fill Design – Geotechnical Short Course," American Society of Civil Engineers, Nebraska Section, Omaha, Nebraska, February 8th, 2018.
- "Bridge-Support Workshop on Lightweight Fill" held in conjunction with Norwegian Public Roads Administration and the Utah Department of Transportation, Salt Lake City, Utah, October 11th and 12th, 2016,
- "Understanding Earthquake Hazards and Their Effects," Half-Moon Seminar, Seismic Design, Salt Lake City, Utah, Mar. 9, 2011.
- "Development of Site-Specific Response Spectra," IBC Strong Motion Short Course, sponsored by the Utah Section of the American Society of Civil Engineering, Salt Lake City, Utah April 18, 2003.

Community and Professional Service

- Envision Utah Committee Member, Utah Disaster Resilience Lifeline Infrastructure Working Group (2021 – present).
 - Envision Utah Committee Member, Resilience Development Planning Working Group (2021 – present).
 - Lightweight Fill Conference 2021, Virtual Conference, Organizing and Technical Committee Member (2021)
 - National Earthquake Hazards Reduction Program, Utah Liquefaction Advisory Group (chair) (2003 – present).
 - Next Generation Liquefaction Database, Pacific Earthquake Engineering Research (PEER) (member) (2013-present)
 - Gas and Liquid Fuels Subcommittee, Civil Infrastructure and Lifeline System Committee, American Society of Civil Engineers, 2015-current, (member).
 - Advanced National Seismic System, Advisory Committee for Urban Strong-Motion Monitoring in Utah (chair).
 - Organizing Committee, National Lightweight Fill Conference, 2020-2021, (committee member).
 - Organizing Committee, 5th International Conference on Geofoam Blocks in Construction Applications, EPS 2018 (2018).
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- Technical Committee, 6th European Geosynthetics Conference, 2016, Istanbul, Turkey, 2014-2016, (member)
 - Participating Member, Workshop on State of Art and Practice in Earthquake-Induced Soil Liquefaction Assessment," National Research Council of the National Academies (2014).
 - EERI Utah Chapter, 2012-2013, (Director)
 - Organizing Committee, EERI Utah Chapter, 2012 (member).
 - Committee on Pre and Post-Disaster Mitigation, ASCE Council on Disaster Reduction and Management, 2009 to 2011 (chair).
 - ASCE CDRM Reconnaissance Team Investigation of L'Aquila, Italy Earthquake, 2009, (Team Leader)
 - Earthquake Engineering Research Institute/Western States Seismic Policy Committee Annual Meeting Planning Committee, 2009 (member).
 - Disaster Resistant University Project, University of Utah, 2007 to 2009 (member).
 - Advanced National Seismic System, Intermountain West Regional Advisory Council (alternate)
 - National Council of Examiners for Engineering and Surveying, 2001 to 2008 (member).
 - Transportation Research Board Committee on Soils and Rock Instrumentation (AFS20), 2002 to 2008 (member).
 - Organizing Committee for Earthquake Engineering Research Institute National Conference, 2008 (member).
 - National Earthquake Hazards Reduction Program, Utah Liquefaction Advisory Group (chair) (2003 – present).
 - EPS 2011 Steering Committee, Oslo, Norway (member).
 - Committee on Pre and Post-Disaster Mitigation, ASCE Council on Disaster Reduction and Management, 2009 to 2011 (chair).
 - Leader of ASCE CDRM Reconnaissance Team Investigation of L'Aquila, Italy Earthquake, 2009.
 - Utah SHAKEMAP/HAZUS Working Group (member) 2006.
 - Panelist, National Science Foundation, Geoseismic Panel, Feb. 21st and 22nd, 2006.
 - Member of Unreinforced Masonry Buildings Ad Hoc Subcommittee of the Utah Seismic Safety Commission, 2005.
 - Panel member, Accelerated Construction Technology Transfer Workshop for I-15 Reconstruction, Ogden, Utah, Sponsored by FHWA, February 15th – 17th, 2005.
 - Reviewer, US Civilian Research and Development Foundation (CRDF), 2003.
 - State of Utah Review Panel of Proposed Private Fuel Storage Facility, Skull Valley, Utah, 2000 to 2003 (member).
 - Expert Witness for the State of Utah in litigation and hearings before the US Nuclear Regulatory Commission Atomic Safety and Licensing Board for the License Application of the Private Fuel Storage Facility, Skull Valley, Utah, 1999 to 2002.
 - Program Chair, 3rd International Conference of EPS Geofoam 2001
 - Panel member for the State of Utah reviewing the license application to the US Nuclear Regulatory Commission for the Private Fuel Storage Facility, Skull Valley Utah, 1999 to 2002.
 - Member of Organizing Committee for ASCE-sponsored symposium on Geologic Hazards in Utah, Salt Lake City, Utah, April 12th and 13th, 2001.
 - Value Engineering Team, University Interchange, 1300 S. Orem, sponsored by UDOT and FHWA, 2000.
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- Member of FEMA Project Impact and Salt Lake City Seismic Earthquake Hazard Ordinance Committee, 2000.
- Pre-bid Design-Build Committee Member, Spanish Fork Canyon Landslide Remediation, sponsored by UDOT 2000.
- Member of Organizing Committee, 34th Annual Symposium on Engineering Geology and Geotechnical Engineering, Logan, Utah, April 1999.
- Member of Organizing Committee, Environmental Geotechnology, ASCE, Salt Lake City, Utah, March 1997.
- Member of Municipal Landfill Site Selection Committee, Columbia County, Georgia, 1993.

Other Affiliations and Activities

- Reviewer, Geosynthetics International, Journal of the International Geosynthetics Society (IGS)
- Reviewer, Soil Dynamics and Earthquake Engineering
- Reviewer, Earthquake Spectra, Journal of Earthquake Engineering Research Institute
- Reviewer, Journal of Mechanical Engineering Science
- Reviewer, Geotextiles and Geomembranes, Journal of the International Geosynthetics Society
- Reviewer, ASCE Journal of Geotechnical and Geoenvironmental Engineering.
- Reviewer for the Journal of the Transportation Research Board.
- Reviewer for Earthquake Spectra, Earthquake Engineering Research Institute.
- Member of EERI Reconnaissance Team Investigation Wells Nevada, Earthquake, 2008.

Databases

- Ulmer K.J., Zimmaro P., Brandenberg S.J., Stewart J.P., Hudson K.S., Stuedlein A.W., Jana A., Dadashiserej A., Kramer S.L., Cetin KO, Can G., Ilgac M., Franke K.W., Moss R.E.S., Bartlett S.F., Hosseinali M., Dacayanan H., Kwak D.Y., Stamatakis J., Mukherjee J., Salman U., Ybarra S., Weaver T. (2023). Next-Generation Liquefaction Database, Version 2. Next-Generation Liquefaction Consortium. DOI: 10.21222/C23P70. <https://www.designsafe-ci.org/data/browser/public/designsafe.storage.published/PRJ-2923>
- Bartlett, SF, Sharifi Mood, M, Gillins, DT, et al. (2018) Geotechnical Database for Utah (GeoDU). DesignSafe-CI. DOI: [10.17603/DS2ST19](https://doi.org/10.17603/DS2ST19).

Written Testimony to US Nuclear Regulatory Commission

- State of Utah Testimony of Dr. Steven F. Bartlett on Unified Contention Utah L/QQ (Soil Characterization), Before the Atomic Safety and Licensing Board of the Nuclear Regulatory Commission, Docket No. 72-22-ISFSI, ASLBP No. 97-732-02-ISFSI, April 1, 2002, 12 p.
 - State of Utah Testimony of Dr. Steven F. Bartlett and Dr. James K. Mitchell on Unified Contention Utah L/QQ (Soil Cement), Before the Atomic Safety and Licensing Board of the Nuclear Regulatory Commission, Docket No. 72-22-ISFSI, ASLBP No. 97-732-02-ISFSI, April 1, 2002, 14 p.
 - State of Utah Testimony of Dr. Steven F. Bartlett and Dr. Farhang Ostadan on Unified Contention Utah L/QQ (Dynamic Analyses), Before the Atomic Safety and Licensing Board of the Nuclear Regulatory Commission, Docket No. 72-22-ISFSI, ASLBP # 97-732-02-ISFSI, April 1, 2002, 23 p.
 - State of Utah Testimony of Dr. Steven Bartlett and Dr. Farhang Ostadan on Unified Contention Utah L/QQ, Part E (Lack of Design Conservatism), Before the Atomic Safety and Licensing Board of the
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Nuclear Regulatory Commission, Docket No. 72-22-ISFSI, ASLBP No. 97-732-02-ISFSI, April 1, 2002, 14 p.

- State of Utah's Response and Opposition to Applicant's Motion for Summary Disposition of Part B of Utah Contention L, Before the Atomic Safety and Licensing Board of the Nuclear Regulatory Commission, Docket No. 72-22-ISFSI, ASLBP No. 97-732-02-ISFSI, December 7, 2001, 23 p.
 - Joint Declaration of Dr. Steven F. Bartlett, Dr. Mohsin R. Khan, and Dr. Farhang Ostadan, Before the Atomic Safety and Licensing Board of the Nuclear Regulatory Commission, Docket No. 72-22-ISFSI, ASLBP No. 97-732-02-ISFSI, December 7, 2001, 28 p.
 - State of Utah's Request for Admission of Late-Filed Contention Utah QQ (Seismic Stability), Before the Atomic Safety and Licensing Board of the Nuclear Regulatory Commission, Docket No. 72-22 ISFSI, ASLBP No. 97-732-02-ISFSI, May 16, 2001, 20 p.
 - Declaration of Dr. Steven F. Bartlett, Before the Atomic Safety and Licensing Board of the Nuclear Regulatory Commission, Docket No. 72-22-ISFSI, ASLBP No. 97-732-02-ISFSI, May 16, 2001, 10 p.
 - State of Utah's Response to Applicant's Motion for Summary Disposition of Utah Contention L, Before the Atomic Safety and Licensing Board of the Nuclear Regulatory Commission, Docket No. 72-22-ISFSI, ASLBP No. 97-732-02-ISFSI, January 30, 2001, 27 p.
 - State of Utah's Statement of Disputed and Relevant Material Fact, Before the Atomic Safety and Licensing Board of the Nuclear Regulatory Commission, Docket No. 72-22-ISFSI, ASLBP No. 97-732-02-ISFSI, January 30, 2001, 16 p.
- Declaration of Dr. Steven F. Bartlett, Atomic Safety and Licensing Board of the Nuclear Regulatory Commission, Docket No. 72-22-ISFSI, ASLBP No. 97-732-02-ISFSI, January 30, 2001, 7 p.

Other Miscellaneous Presentations

- "Songdo ByPass Alternatives to Protect Wetlands" presented to East Asian – Australian Flyway (EAFFP), Songdo, Incheon, South Korea, May 22, 2020.
 - "Probabilistic Liquefaction Triggering and Lateral Spread Hazard Maps for Davis, Weber and Salt Lake Counties," Presented to the Utah Department of Transportation, Salt Lake City, Utah, June 24th, 2020.
 - "Innovative Materials for Civil Engineering and Architectural Applications," United Nations-Habitat Meeting, October 29th, 2019, Songdo, Incheon, South Korea,
 - "Geofoam in Civil Engineering Applications," Seoul National University, College of Agricultural and Life Sciences, Department of Landscape Architecture and Rural Systems Engineering, Mar. 18th, 2019.
 - "Liquefaction-Induced Ground Displacement Hazard Maps for Salt Lake County, Utah, Salt Lake County Planning Division, September 29th, 2016.
 - "BS. Construction Engineering Program, Civil and Environmental Engineering at the University of Utah," presentation made to the Utah Board of Regents of Higher Education, July 15th, 2016.
 - "Design and Construction of Surcharged Embankment," Utah Department of Transportation, July 7th, 2016.
 - Use of EPS Geofoam in Transportation Systems, presentation made to Walkers CML, Colombo, Sri Lanka, May 9, 2016.
 - "Use of EPS Geofoam in Civil Engineering Applications," presentation made to Korea Agency for Saemangeum Development and Investment, Gusan City, South Korea, May 3, 2016.
 - "EPS Geofoam Lightweight Backfill and Landscaping Applications," presentation made to Tishman Speyer, Bangalore, India, Oct. 14, 2015.
 - "Construction and Performance of EPS Geofoam for Transportation Projects," EPS Specialty
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Conference, Mumbai, India, Oct. 13, 2015.

- "Geofoam Research Consortium, EPS Geofoam Development, and Marketing Strategies," Board of Directors, Supreme Petrochemical LTD, Mumbai, India, Oct. 12, 2015.
 - "Geofoam Research and Geomembrane Applications," Current Advancements and Trends in Containment Technology, Seminar sponsored by Fabricated Geomembrane Technology, Salt Lake City, Utah, September 16th, 2015.
 - "Implementation of Risk-Based Liquefaction Maps in Hazard Ordinances and Risk-Based Decision Making," Update to the Utah Department of Public Safety, Salt Lake City, Utah, February 19th, 2015.
 - "Liquefaction Hazards – From Mapping to Implementation," Utah Liquefaction Advisory Group Meetings, Salt Lake City, Utah, February 9th, 2015.
 - "Mapping of Liquefaction Hazard for Salt Lake and Weber Counties," Utah Geological Association (UGS), Salt Lake City, Utah, December 8th, 2014.
 - "Instrumentation Plan of EPS Geofoam, UTA Frontrunner and Trax Systems," Utah Transit Authority, Salt Lake City, Utah, October 1, 2014.
 - "Use of EPS Geofoam in Transportation Systems," Invited Lecturer, Civil Engineering Applications of EPS, Ankara, Turkey, June 7th, 2014.
 - "Use of EPS Geofoam in Civil Engineering Applications, Invited Lecturer, Istanbul, Turkey, June 3rd, 2014.
 - "EPS-Lightweight Backfill and Landscaping Applications," Disney Shanghai Project Team, Shanghai, China, May 23, 2014.
 - "Mapping of Lateral Spread Displacement Hazard, Weber County, Utah, Earthquake Engineering Research Institute (EERI) Liquefaction Short Course, Salt Lake City, Utah, April 9th, 2014.
 - "Bridges Supported on EPS Geofoam," Norwegian Public Road Administration, Oslo, Norway, Sept. 24, 2013.
 - "Use of EPS Geofoam in Seismic Applications," Association of Environmental and Engineering Geologists (AEG), Intermountain Section, Salt Lake City, Utah, May 9th, 2013.
 - "EPS Design for Seismic Applications," Kleinfelder Technical Seminar, Salt Lake City, April 18th, 2013.
 - "Progress Report of the Utah Liquefaction Advisory Group," Utah Liquefaction Advisory Group Meetings, Salt Lake City, Utah, February 4, 2013.
 - "EPS Geofoam in Civil Engineering Applications," Broadway Foam, Shanghai, China, Sept. 3rd, 2012.
 - "Liquefaction Hazard for Salt Lake Valley," Technical Presentation to Utah Seismic Safety Commission, October 25th, 2012.
 - "Fabricated Geomembranes for EPS Geofoam Applications," Fabricated Geomembrane Institute (FGI) short course, Salt Lake City, Utah on May 21st, 2012.
 - "Slope Protection Plan for the SM Highland's Properties," Tagatay, Philippines, March 22, 2011.
 - "Understanding Earthquake Hazards and Their Effects," Half-Moon Seminar, Seismic Design, Salt Lake City, Utah, Mar. 9, 2011.
 - "Progress Report of the Utah Liquefaction Advisory Group for FY 2009," Utah Liquefaction Advisory Group Meetings, Salt Lake City, Utah, February 13, 2010.
 - Report to ASCE Council on Disaster Risk Management, 2009 L'Aquila Italy, Earthquake, August 14, 2009.
 - "Seismic Design of Geofoam Embankment," AusPhil Construction, North Luzon Elevated Expressway, Luzon, Philippines, March 2009.
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- "Use of EPS Geofoam to Minimize Consolidation Settlement for Reclaimed Land," Philcoi and Pagcor Projects, Manila, Philippines, March 2009.
 - "Progress Report of the Utah Liquefaction Advisory Group for FY 2008," Utah Liquefaction Advisory Group Meetings, Salt Lake City, Utah, February 11, 2009.
 - "Evaluation of the Seismic Vulnerability of the Transportation System in Salt Lake Valley," Utah Seismic Safety Commission, Salt Lake City, Utah, January 8th, 2009.
 - "Challenges of Embankments on Soft Soils," Utah Department of Transportation Engineering Conference, Salt Lake City, Utah, November 6th, 2008.
 - "Performance and Seismic Design of Geofoam Embankments," (invited speaker), American Society of Civil Engineers, St. Louis Section, May 8th, 2008.
 - "Progress Report of Utah Liquefaction Advisory Group for FY 2007," Utah Liquefaction Advisory Group Meetings, Salt Lake City Utah, Feb. 14, 2008.
 - "Pipeline Protection from Normal Faults Using EPS Geofoam," Utah Seismic Safety Commission, Salt Lake City, Utah, Oct. 26, 2007.
 - "Soil-Geofoam-Pipeline Interaction and Modeling," Presented to Questar Gas Corporation, Salt Lake City, Utah, Sept. 14, 2007.
 - "Comparison of Equivalent Linear and Non-linear 1D Ground Response Analyses," Utah Department of Transportation, October 25, 2007.
 - Progress Report of Utah Liquefaction Advisory Group for FY 2006," Utah Liquefaction Advisory Group Meetings, Salt Lake City Utah, Feb. 28, 2007.
 - Progress Report of Liquefaction Advisory Group for FY 2005," Utah Liquefaction Advisory Group Meetings, Salt Lake City Utah, Feb. 22, 2006.
 - "Lateral Spreading Hazard Mapping of Northern Salt Lake County for a Magnitude 7.0 Scenario Earthquake," Utah Liquefaction Advisory Group, Feb. 22, 2006.
 - "Seismic Lateral Earth Pressures for Buried Structures," Structural Engineers Association of Utah, Salt Lake City, October 20, 2005.
 - "Liquefaction and Lateral Spread Susceptibility of Lake Bonneville Deposits, Northern Salt Lake Valley, Utah," Utah Liquefaction Advisory Group, Salt Lake City, Utah, March 4, 2005.
 - "Progress Report of Liquefaction Advisory Group for FY 2004," Utah Liquefaction Advisory Group Meetings, Salt Lake City Utah, March 4, 2005.
 - "Construction and Post-Construction Performance of Foundation Treatments and Embankments for the I-15 Reconstruction Project," Invited Speaker Presentation to the Seattle Section of the American Society of Engineers, April 3, 2004.
 - "Developing Response Spectra for Site Class E Soils," Earthquake Hazards in Utah: Improving Our Understanding, 2004 Earthquake Conference, Salt Lake City, Utah, Feb. 26, 2004.
 - "Progress Report of Liquefaction Advisory Group for FY 2003," Earthquake Hazards in Utah: Improving Our Understanding, 2004 Earthquake Conference, Salt Lake City, Utah, Feb. 26, 2004.
 - "Ground Response Analyses and Design Spectra for UDOT Bridges on Soft Soil," Workshop sponsored by the Utah Department of Transportation, Salt Lake City, Utah, Jan. 8, 2004.
 - "UDOT Guidance for Developing Design Response Spectra for Soft Soils," Geologic Hazards in Utah, Sponsored by AEG and ASCE, Salt Lake City, Utah, April 12th to 13th, 2001.
 - "Instrumentation and Research of Geofoam Embankments for the I-15 Reconstruction," Huntsman Chemical Geofoam Seminar, Salt Lake City, Utah, May 16th, 2000.
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- "Assessment of the Hazard Potential for the East Side of I-80," Conference on the Seismic Retrofit of Utah's Highway Bridges, sponsored by the Utah Department of Transportation, Salt Lake City, Utah, January 20th to 22nd, 1999.

Graduate Students Supervised

- Mark Goodsell (current Ph.D. student)
 - Daniel Seely (current Ph.D. student) (IGES Consultants, Salt Lake City)
 - Junha Kim (M.S. Student)
 - Yaqi Hwang, M.S. (2023)
 - Tatiana De Camargo, M.S. (2023)
 - Dr. Massoud Hosseinali, Ph.D. (2022)
 - Dr. Nadereh Adham, M.S. (2019)
 - Swastik Pokhrel, MS (2019) Fugro, Houston, Texas
 - Dr. Hamid Sarmadi, Ph.D. (2018) (Bechtel, Reston, Virginia)
 - Dr. Ramesh Neupane, Ph.D. (2015) (Virginia DOT)
 - Dr. Zahra Amini, Ph.D. (2013) (Geosyntec, Los Angeles, California)
 - Prof. Daniel Gillins, Ph.D. (2012) (Oregon State University, now NOAA)
 - Dr. Xianhong (John) Meng, Ph.D. (2012) (Metro Testing Ltd. Group, Vancouver, Canada)
 - Prof. Bret Lingwall, Ph.D., (2011) (Assistant Professor, South Dakota School of Mines)
 - Prof. Clifton Farnsworth, Ph.D. (2008) (Associate Professor, Brigham Young University)
 - Prof. Michael Olsen (2005), MS, (Professor, Oregon State University)
 - Prof. A. Tolga Ozer, Ph.D., (2004) (Associate Professor, Okan University, Istanbul, Turkey) (co-advisor)
 - Zachary Gibbs, MS, (2015) (Gerhart-Cole)
 - Shun Li, M.S. (2014) (IGES)
 - Matthew Moriarty, M.S. (2014) (Kleinfelder)
 - Zachary McClellan, M.S. (co-advisor) (2013) (Ferrovia Argoman)
 - Daniel Hinckley, MS (UDOT) (2010)
 - Bart Leeflang, MS, (2009) (US Bureau of Reclamation, Provo, Utah)
 - Robert Snow, MS, (2008) (URS Corporation, Salt Lake City, Utah)
 - Samra Bukva, M.S., (2008) (FLSmith)
 - Michelle Flint Cline, M.S. (2006) (Parson Brinkerhoff, Salt Lake City, Utah)
 - Marie Perry Newman, MS, (2006) (unaffiliated)
 - Griffen Erickson, MS (2006) (Electrical Consultants Inc., Salt Lake City, Utah)
 - Patrick Alcorn, MS (2004) (affiliation unknown)
 - Amy Poloni (2002) (unknown affiliation)
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