RUDOLPH P. FRIZZI, PE, GE, D.GE **Geotechnical Engineering**
Managing Principal / Executive Vice President

EDUCATION

University of Illinois at Urbana-Champaign, Master of Science in Civil Engineering (Geotechnical)
The Ohio State University, Bachelor of Science in Civil Engineering

PROFESSIONAL REGISTRATION AND CERTIFICATION

Diplomate, Geotechnical Engineering of The Academy of Geo-Professionals
Registered Professional Engineer:
California, Colorado, Connecticut, Florida, Georgia, Hawaii, Minnesota, Mississippi, North Carolina, North Dakota, New Jersey, New York, Ohio, Pennsylvania, Texas, Virginia, and Washington
Registered Professional Geotechnical Engineer:
California

PROFESSIONAL AFFILIATIONS

Member, National Bond Claims Associated
Deep Foundations Institute (DFI)
Immediate Past-President
Former Chairman of Augered Cast-in-Place Pile Committee
Trustee Liaison to Chairman, Codes and Standards and International Committees
Member Seismic / Lateral Load, Drilled Shaft, Micro-Pile, and Sustainability Committees
***Committees* American Society of Civil Engineers (ASCE) and GeoInstitute of ASCE**
Member, Codes & Standards Council - Pile Foundations Standards Committee
Association of Drilled Shaft Contractors - Int'l. Assoc. of Foundation Drillers (ADSC/IAFD)
International Society of Soil Mechanics and Geotechnical Engineering (ISSMGE)
American Concrete Institute (ACI)
Chairman and voting member of ACI Committee 543 – Concrete Piles
Voting member, Committee 336 - Footings, Mats, and Drilled Piers
Transportation Research Board (TRB)
Member, Committee AFS30 - Foundations of Bridges and Other Structures
Engineers without Border (EWB-USA)
Professional Member
American Institute of Architects
Structural Engineers Association of New York
American Bar Association, Tort, Trial & Insurance Practice
Chi Epsilon
Tau Beta Pi

EXPERIENCE

Langan Engineering and Env. Svcs., Elmwood Park, NJ, Irvine, CA, Las Vegas, NV, and Miami, FL, 1987 to present
Pratt Institute, School of Architecture, New York, NY. Visiting Assistant Professor of Construction Management, 2006 to present
U.S. Army Corps of Engineers - CERL, Champaign, IL, Construction Maintenance Division, 1986 to 1987
University of Illinois, Urbana, IL, Geotechnical (Civil) Engineering Department, 1986
Ohio Department of Transportation, Columbus, OH, 1984 and 1985

Mr. Frizzi has extensive geotechnical engineering and project management experience with particular emphasis on embankment stability, foundations for arenas and high-rise structures in urban areas, and large-scale land development on projects throughout the United States and Internationally. His areas of expertise include engineering shallow and deep foundation systems; soft and hard rock treatment, excavation, and vibration monitoring; surcharging of organic soils and loose sand; temporary and permanent lateral support systems; waterfront structures; dams; geotechnical instrumentation; construction dewatering; and forensic investigations. His deep foundation expertise includes investigation, design, and construction of very high capacity micro-piles and drilled shafts (including shafts stabilized utilizing both polymer and mineral slurries) and augered cast-in-place piles; and full-scale field load testing of these elements using the Osterberg Cell (O-Cell), Statnamic, and conventional static top-load testing. Mr. Frizzi has provided expert geotechnical consultation and testimony on excavation and foundation cases. He regularly prepares technical papers, and presents at technical lectures and seminars on these topics. In addition, he has served in leadership roles in planning seminars and presentations in the United States and abroad. He has obtained extensive field, office supervision, and project management experience including soil and rock sampling and in-situ testing; monitoring pre-, during, and post-construction with state-of-the-art geotechnical instrumentation; nondestructive testing; aqueous and sub-aqueous inspections and investigations; and heavy construction field inspection which has contributed to his practical approach to geotechnical problem solving.

SELECTED PROJECT EXPERIENCE

Industry Business Center, City of Industry, CA - Geotechnical, environmental, and site/civil review of site proposed for 530,000 sf industrial, and 40,000 to 70,000 sf retail structure development. Evaluated redevelopment over historic municipal landfill, canyon grading, and variable geology (soft alluvial soils, expansive bedrock, and up to 70 foot cuts and 50 foot fills).

Red Hill Fuel Tunnel Repair, Pearl Harbor, HI - Geotechnical instrumentation system design and monitoring during repair of active, 3 mile long strategic fuel reserve tunnel system.

WMATA South East Bus Garage Complex, Washington, DC - Providing geotechnical engineering and environmental services for a Design-Build team associated with the new WMATA South East Bus Garage Complex. Design-Build efforts include a geotechnical and environmental investigation and report to provide foundation recommendations, environmental hazards, sheeting and shoring systems, dewatering programs, and soil re-use strategies. The presence of acidic soils, expansive clays, and loose fill material resulted in the implementation of rammed aggregate piers, a soil mixing program, and limited removal and replacement to achieve the required bearing capacities and limit construction delays. The project is expected to achieve a LEED Gold certification.

Millennium Partners UST Case Closure; Washington, D.C. - Address an outstanding Notice of Violation for the closure of a former underground storage tank (UST) for the property.

FERN Off-shore wind, Atlantic County, New Jersey – Proposed wind facility located in the Atlantic Ocean three miles off-shore from Atlantic City. Development includes six turbine towers and associated transmission infrastructure. Geotechnical consultant responsible for sea floor and underlying subsurface investigations, engineering analysis and foundation design.

Kingdom Tower, Jeddah, Kingdom of Saudi Arabia – Proposed 1-km-tall mixed-use tower, the tallest in the world (2010), on a 50 acre site along the Red Sea. Geotechnical consultant responsible for subsurface investigation, analysis, evaluation, and design for foundation design.

Armed Forces Reserve Centers, Guaynabo and Mayaguez, Puerto Rico - Expert geotechnical consultation to assess subsurface conditions, foundation design recommendations, and develop methods to resolve difficulties during site preparation during construction.

Kearl Oil Sands Starter and Debris Dykes and Froth Plant, Fort McMurray, Alberta, Canada - An $8b mega-project, the Kearl project is one of the largest oil sands sites in the world. Engineering observation of embankment dyke construction and instrumentation installation, and load testing of Froth Plant foundation steel pipe piles.

Glenwood Meadows Residential Development, Glenwood Springs, CO - Geotechnical review, analysis, and recommendations for site preparation and foundations for large-scale residential development. Project site is located on a historic former landslide, and geotechnical engineering challenges included: assessing engineering characteristics and behavior of potentially collapsible soils, and developing procedures for site preparation to mitigate potential adverse impacts to new construction.

Camden Highlands, Broomfield, CO - Geotechnical review, analysis, and recommendations for site preparation and foundations for large-scale residential development. Geotechnical engineering challenges included: assessing engineering characteristics and behavior of potentially shrinking and swelling soils, and developing procedures for site preparation to mitigate potential adverse impacts to new construction.

Lincoln Station Apartments, Lone Tree, CO - Geotechnical review, analysis, and recommendations for site preparation and foundations for large-scale residential development. Geotechnical engineering challenges included: reviewing dewatering and excavation support for a multi-level excavation adjacent to an active light-rail station, assessing engineering characteristics and behavior of potentially shrinking and swelling soils, and developing procedures for site preparation to mitigate potential adverse impacts to new construction.

Chalmette Loop Levee, Bayou Bienvenue to Bayu Dupre, Reach LPV 145, St Bernard Parish (New Orleans), LA – Geotechnical investigation, design, and construction observation consultation to Kiewit / Massman / Traylor joint venture (Chalmette Levee Constructors) for 6-mile stretch of levee flood protection improvement adjacent to Mississippi River Gulf Intracoastal (MRGO) waterway. Project challenges include: pile foundations and associated load testing for floodwall and subgrade stabilization for very heavy construction equipment access.

GIWW Closure Complex, Jefferson and Plaquemines Parishes (New Orleans), LA – Geotechnical investigation, design, and construction observation consultation to Kiewit / Traylor joint venture (Gulf IntraCoastal Constructors) associated with $1b flood protection gate and pump station complex. Project challenges include: excavation slope and base stability for 30-foot-deep excavation below the water table in very soft clay and loose sand, dewatering, pile foundations, new floodwalls and levees, and subgrade stabilization for very heavy construction equipment access.

United States Coast Guard Headquarters Complex, MD - Geotechnical review and foundation recommendations for Design-Build submission associated with $1b high security headquarters complex. Project challenges include: up to 80 foot-deep excavations in Potomac Clays, site dewatering, shallow foundation design for very highly loaded spread footings, ground improvement of flyash fill for subsequent shallow foundation support..

Port of Miami Tunnel, Miami, FL - Geotechnical review and foundation recommendations for Concessionaire Design-Build-Operate submission associated with $1b tunnel. Project challenges include: twin-bore tunneling below active shipping channel in mixed-face (limestone and loose sand) conditions with shallow cover.

Audie Murphy Ranch, Newport Road Extension, Menefe, CA - Geotechnical review for roadway. Project challenges include: roadway

embankment and abutment subgrade stabilization, and measures to mitigate impacts to active critical existing utility infrastructure along the road alignment.

University Lofts, Reno, NV - Geotechnical review and foundation system optimization associated with proposed high-rise residential tower development.

Marina Residences Development, Jolley Harbour, Antigua – Geotechnical investigation and design recommendations for an oceanfront development consisting of multiple 5 to 8-story exclusive resort structures and amenities. Design challenges included developing foundation alternatives for supporting structures at a site located in a highly seismic area, and underlain by very compressible soils.

Seminole Hard Rock Hotel and Casino, Tampa, FL – Geotechnical investigation and design recommendations for an extensive expansion to an existing facility, including new high-rise hotel towers casino and event facilities, and multi-leveled structured parking facilities.

Capitol Records and Franklin Sites, Hollywood, CA - Geotechnical and environmental consultation to Project Developer for a two, full-block development which includes multiple high-rise mixed-use towers and four below-grade levels.

Trump Tower, Philadelphia, PA - Geotechnical engineering consultation for a 35-story residential tower to be built on a land reclaimed from the Delaware River. Developed recommendations for innovative high capacity drilled shaft foundations to support very high structural loads in challenging soft ground and weathered rock conditions.

Emerald Meadows Ranch, Rubidoux, Riverside County, CA - Engineer in responsible charge for geotechnical, environmental, and site / civil review for a client prior to their taking a $50m equity stake in a new 250-acre mixed-use development. Site challenges included: Santa Ana River levees and site areas underlain by potentially liquefiable soils, historic industrial and residential dumping at the site, and site grading and floodwater management issues.

Lake Las Vegas Resort, Henderson, NV - Engineer in responsible charge for geotechnical, environmental, and site / civil review for a client prior to their taking a $150m equity stake in the third phase of the 3,585-acre Lake Las Vegas mixed-use development. Site challenges included: a 320-acre man-made lake with 190-foot-high embankment dam, mass-grading including cuts and fills in excess of 100 feet, and freshwater management issues to assure continuous source of freshwater to irrigate three 18-hole golf courses.

Stamford South End Redevelopment, Stamford, CT - Geotechnical engineer in responsible charge of geotechnical investigation and design for a proposed 82-acre mixed-use waterfront redevelopment. Challenges include: redevelopment within an urban residential and former industrial Brownfield area bordered by a USA Corps of Engineers hurricane barrier, and developing foundation support requirements for multi level parking structures and buildings ranging from 4 to over 25 stories tall.

Diamond Tower, New York, NY - Geotechnical engineer in responsible charge to Project Developer on this 40-story mixed-use tower with 4 below-grade levels. Significant foundation design and construction challenges included: very high concentrated compressive and uplift loads resulting from the very tall / slender building, deep excavations in rock immediately adjacent to existing buildings.

Stuart Dean Site Tower, New York, NY - Geotechnical engineer in responsible charge to Project Developer on this 70-story mixed-use tower with 2.5 below-grade levels. Significant foundation design and construction challenges included: very high concentrated compressive and uplift loads resulting from the very tall / slender building, deep excavations in rock immediately adjacent to existing buildings.

Terminal Site Redevelopment, Hoboken & Jersey City, NJ - Geotechnical engineer in responsible charge of geotechnical investigation and design for a proposed 51-acre multiple mixed-use high-rise building, elevated platform, and below-grade parking structure downtown re-development project. The site is an active commuter rail terminal along the Hudson River, with numerous active underground utility and PATH (commuter rail) tunnels below the site.

Parrish Art Museum, Southampton, NY - Geotechnical engineer in responsible charge of geotechnical investigation and design for art museum development.

Fontainebleau Casino and Resort, Las Vegas, NV - Geotechnical investigations and site -specific seismic evaluations, including field shear wave velocity investigations/studies, to develop foundation and seismic design recommendations for 70-story high-rise tower and resort development.

Downtown Redevelopment, Derby, CT - Geotechnical engineer in responsible charge of geotechnical investigation and design for 15-acre riverfront multiple mixed-use building and parking garage downtown re-development project.

Retail Building and Site, Kansas City, MO - Geotechnical review, evaluation, and assessment of existing 100,000 ft^2 retail building, and adjacent 30-foot-high modular block site retaining wall conditions.

Palmyra Resort, Montego Bay, Jamaica - Consultation to project Owner in assessing cast-in-place pile foundation design and construction

issues.

Chancery Lane Complex, San Fernando, Trinidad - Consultation to project Design/Build foundation contractor in assessing cast-in-place pile foundation design and construction issues.

Waikiki BeachWalk, Honolulu, HI - Consultation to project Owner in assessing augered cast-in-place (ACIP) pile foundation conditions during construction.

1325 South Capitol, Washington, DC - Due-diligence geotechnical and environmental review for high-rise residential building with three below-grade levels.

Confidential Client, Miami, FL - Geotechnical investigations and feasibility studies for proposed twin, 110-story residential towers.

Cramer Hill / Pennsauken Waterfront Redevelopment, Camden and Pennsauken, NJ - Geotechnical consultation to designated Redeveloper to evaluate ground improvement and foundation costs for this $2 billion island and urban redevelopment project across the Delaware River from Philadelphia.

The Cosmopolitan, Las Vegas, NV - Geotechnical consultation for two 55-story towers, above a site-wide (approx 8.5 acres) subterranean parking structure extending five levels below-grade.

1881 North Nash Street, Arlington, VA - Geotechnical engineer in responsible charge of foundation investigation and design for 40-story high-rise residential building with five below-grade levels.

Selma and Vine, Hollywood, CA - Geotechnical and site/civil consultation to Project Developer for this 11-story full-block development which includes four below-grade levels.

Turnberry Place, Las Vegas, NV - Consultation to project Developer to investigate, design, load test, and construct drilled shaft foundation support for this high-rise residential tower. Three-foot-diameter drilled shafts were load tested to an equivalent top load of over 5000 kips using embedded Osterberg cells (O-Cells).

610 Lexington Avenue, New York, NY - Geotechnical engineer in responsible charge to Project Developer on this 60-story mixed-use tower with two below-grade levels. Significant foundation design and construction challenges included: very high concentrated compressive and uplift loads resulting from the very tall / slender building (aspect ratio 15:1), and close proximity of active bored and cut/cover subway tunnels.

Confidential Client, Tampa, FL - Consultation to Project Surety to investigate failure of drilled shaft foundations for an elevated expressway, and to develop practical, cost-effective measures for repair and construction of remaining shafts.

Federal Reserve Bank, Renton, WA - Consultation to Contractor in construction and load testing of augered cast-in-place (ACIP) pile foundations.

San Diego State University Environmental Monitoring Lab, San Diego, CA - Consultation to Project Contractor in construction and load testing of augered cast-in-place (ACIP) pile foundations.

Confidential Client, Miami, FL - Consultation to Project Developer regarding drilled shaft foundation design and construction issues for this 50-story residential tower. Provided constructability review for drilled shafts constructed using mineral slurry, and review of anticipated versus attained field load carrying capacities.

Kent Station, Kent, WA - Consultation to Contractor in construction and load testing of augered cast-in-place (ACIP) pile foundations.

Broadway Parking Structure, Salt Lake City, UT - Consultation to Project Contractor in bid and design of augered cast-in-place (ACIP) and drilled displacement (DD) pile foundation alternatives for this proposed seven-story parking garage with one below-grade level.

Meadowlands Xanadu, East Rutherford, NJ - Geotechnical engineer in responsible charge of foundation investigation and design for numerous multi-story structures and parking garages associated with this $1billion multi-purpose entertainment / destination development.

Water-front Retail Development, Paterson, NJ - Geotechnical studies, and controlled inspection during site preparation and construction for 150,000 ft^2 (footprint) retail development along the Passaic River.

80 South Street Tower, New York, NY - Geotechnical engineer in responsible charge of foundation investigation and design for 1000-ft-tall signature residential and communication tower designed by Santiago Calatrava, and Sciame Development.

Atlantis, Paradise Island, Bahamas - Geotechnical engineer in responsible charge of foundation investigation and design for proposed hotel tower, casino, and amenity expansion. Developed recommendations to support tower on highly-loaded shallow foundations where only pile foundations had been previously used.

Atlantis Phase III, Nassau, Paradise Island, Nassau, Bahamas – This development is to consist of the construction of phase III of the Atlantis Resort complex including: twin 23-story hotel structure, dolphin experience lagoon, mayan temple structure, amenity/support structures, casino expansion, conference expansion, and various retaining structures. Provided geotechnical design and construction services.

Potomac Yard - Landbay E, Arlington, VA - Geotechnical engineer in responsible charge of foundation investigation and design for 12-story residential building with three below-grade levels.

State Prison Sites, Bertie and Green Counties, NC - Consultation to design-build contractor in site-selection process, and in developing final site preparation and foundation design recommendations for proposed structures.

Catskills Casino at Monticello Raceway, Monticello, NY - Geotechnical engineer in responsible charge of foundation investigation and design for multi-level casino, event center, parking garage and hotel tower development.

Urban Glass House, New York, NY - Geotechnical engineer in responsible charge of foundation investigation and design for signature Philip Johnson designed tower. Foundation system is unique mat foundation bearing on fine sand, with pile supported portion to prevent foundation stresses from impacting the neighboring Holland Tunnel.

Turning Stone Casino Resort, Oneida, NY - Geotechnical engineer in responsible charge of foundation investigation and design for multiple casino, event center, and 22-story tower development, including 400,000 ft^2 (footprint) 7-story parking garage.

Blue Back Square, West Hartford, CT - Geotechnical engineer in responsible charge of geotechnical investigation and design for 17-acre multiple mixed-use building and parking garage downtown re-development project.

Retail Site, Oceanside, Town of Hempstead, NY - Geotechnical engineer in responsible charge of geotechnical investigation, including performing site-specific seismic evaluations (seismic cone field testing and shear wave velocity determination, SHAKE computer analysis, and response spectra development), and development of foundation design and site preparation requirements.

Tower 31, New York, NY - Geotechnical engineer in responsible charge of foundation investigation and design for 40-story residential tower supported on high capacity drilled-in caissons.

Marina Blue, Miami, FL - Foundation design and construction consultation for 57-story residential tower. Foundation system is innovative high-capacity (700-ton) auger cast-in-place pile system. Through our involvement, this and a neighboring project saw the first use of Osterberg cell load (O-Cell) testing on ACIP piles.

EnCap Development, Lyndhurst/Rutherford, NJ - Consultation to the prospective Developer to evaluate site feasibility and development costs related to developing a large scale residential, retail, and resort development on four former landfills.

Confidential Client, Carson, CA - Consultation for Project Developer to evaluate ground improvement requirements to support large scale residential and retail development on a former landfill.

Four Seasons Hotel and Tower, Miami, FL - Geotechnical engineer in responsible charge of foundation investigation, design, and construction for what is currently the tallest building in the state of Florida (67 stories). Foundation support is provided by cast-in-place concrete drilled shaft foundations.

Confidential Client, Long Beach, CA - Consultation to Project Contractor to evaluate different pile foundation support requirements for large scale residential development at former industrial site.

350 West 42nd Street, New York, NY - Geotechnical engineer in responsible charge of investigation, design, and construction for 60-story residential tower and parking garage supported on highly-loaded spread footings bearing on rock.

Confidential Client, Seattle, WA - Consultation to Project Contractor to resolve augered cast-in-place pile foundation difficulties during construction.

Retail Building Evaluation and Stabilization, St. Clair, PA - Evaluated foundation support and settlements of a 150,000 ft^2 retail building supported partially on rock and over 150 feet of reclaimed mine fill. Consulted both building owner and tenant to monitor movements and repair building, rather than implement over $5m in remedial ground treatment/grouting or foundations. Building continues to be safely occupied and used at a significant cost savings to the owner, while providing a profitable and uninterrupted business to the tenant.

Ultimar III, Clearwater, FL - Geotechnical engineer in responsible charge of investigation, design, and construction for 23-story beachfront condominium tower and parking garage supported on high-capacity driven pre-stressed concrete and steel pipe piles.

Millennium Point, New York, NY - A 42-story luxury high-rise tower at the tip of Manhattan. Geotechnical engineer in responsible charge of foundation investigation, design, and construction using 200-ton driven piles.

University of Notre Dame, South Bend, IN - Consultation to University and their Contractor to resolve difficulties during driving of high capacity driven pile foundations.

499 Greenwich Street, New York, NY - Geotechnical engineer in responsible charge of investigation, design, and construction of 14-story condominium structure supported on 120-ton driven pile foundations.

Beachside Aruba, Aruba, Dutch Caribbean - A 21-acre commercial/retail, casino, time-share, and condominium development along the Caribbean Sea. Directed site subsurface investigation and seismic evaluation/zonation, and prepared summary geotechnical report including recommendations and technical specifications for high-capacity driven piles and load tests.

Confidential Client, New Orleans, LA - Consultation to Foundation Contractor to assess and remediate pile driving difficulties for pump station improvement.

Distribution Center, Grandview, WA - Geotechnical evaluation and recommendations to support 1 million ft^2 distribution center on shallow foundations on sensitive wind-blown silt soils.

Confidential Client, Ballwin, MO - Geotechnical and environmental assessment of shopping center development/construction.

Plaza Las Americas, San Juan, PR - Subsurface investigations and evaluation of driven segmental pre-cast concrete pile foundation support for the mall expansion.

Confidential Client, Mobile, AL - Consultation to Project Owner to resolve augered cast-in-place pile foundation difficulties during construction.

Bank Street Commons, White Plains, NY - Twin 22-story residential towers with two-level below-grade parking structure covering a footprint area of nearly four acres. Geotechnical engineer in responsible charge for investigation, design, and construction of 100-ton driven pile foundation support for Towers.

Blue and Green Diamond Condominium Towers, Miami Beach, FL - The 44-story twin towers are currently the world's tallest oceanfront condominium towers. Geotechnical engineer in responsible charge for investigation, design, and construction of 160-ton augered cast-in-place pile foundation support for Towers.

546 Fifth Avenue, New York, NY - Investigation and design for a 23 story office tower. Due to varying subsurface conditions across the site, footings, driven piles, and cast-in-place concrete caisson foundations were utilized for tower support.

Confidential Client, Des Moines, IA - Consultation to Project Contractor resolve augered cast-in-place pile foundation difficulties during construction.

Lynn Road Slope, Raleigh, NC - Slope repair investigation, design, and construction observation for 60-foot-high failed slope immediately adjacent to occupied building.

LECTURES, PUBLICATIONS, AND PRESENTATIONS

- Frizzi, R.P. (2012). **"Quality Control and Assurance for Deep Soil Mixing"**. *DFI India Conference 2012 - Deep Foundation Technologies for Infrastructure in India*. IIT Madras, Chennai, India.
- Frizzi, R.P. (2012). **"Keynote Lecture – Latest Developments in Design and Execution of Drilled Pile Systems"**. *DFI India Conference 2012 - Deep Foundation Technologies for Infrastructure in India*. IIT Madras, Chennai, India.
- Frizzi, R.P. (2012). **"Seismic Aspects of ACI 543R-12 - Design, Manufacture, and Installation of Concrete Piles"**. *Recent Advances in the Design of Prestressed Concrete Piles for Marine Structures in Seismic Environment*s. American Concrete Institute Spring 2012 Convention, Dallas, Texas. ACI, Farmington Hills, Michigan.
- Frizzi, R.P. (2012). **"Geotechnical Finite Element Analysis - Practical Applications"**. *2012 DFI Middle East Conference – Case Histories in Geotechnical and Foundation Engineering*. American University in Dubai, Dubai, UAE
- Frizzi, R.P. (2011). **"Perspectives on a Career in Civil Engineering."** Lecture to the New Jersey Institute of Technology, and the Society of Hispanic Professional Engineers, Newark, New Jersey.
- Meyer, M.E. and Frizzi, R.P. (2011). **"Non-Destructive Testing, Evaluation, and Optimization of Existing Deep Foundations for Re-Use along the East Coast."** Journal of the Deep Foundations Institute, Vol 5, No 1. The Deep Foundations Institute, Hawthorne, New Jersey, pp 3-12.
- Contributing author (2011). **"Estimating Skin Friction of Large Diameter Drilled Shafts in Weak Rock."** XV European Conference on Soil Mechanics & Geotechnical Engineering, Athens, Greece
- Contributing author (2011). **"GeoConstructability – An Owner's Guide to Obtaining Essential Geotechnical Information for Construction."** Geo-Institute of the ASCE and American Society of Civil Engineers, Reston, Virginia, pp. 1- 28.
- Frizzi, R.P. (2011). **"Sustainable Foundations for Stadiums & Arenas"**. *Stadia Design & Technology Exposition 2011*. Los Angeles, California.
- Frizzi, R.P. (2011). **"A Sustainable Approach to Deep Foundation Assessment and Remediation"**. *Piling China 2011 – China International Piling and Deep Foundations Summit 2011*. Shanghai, China.
- Vaidya, S.A. and Frizzi, R.P. (2010**). "Adjacent Structure Protection - State of Practice in New York City**." GeoTrendz - 2010 Indian Geotechnical Conference. Bombay, India.
- Vaidya, S.A. and Frizzi, R.P. (2010). "**Deep Foundation Element Supported Mat Design and Construction in an Urban Environment**." *Proceedings of the Deep Foundations Institute's 35th Annual Conference on Deep Foundations, Hollywood, California*, The Deep Foundations Institute, Hawthorne, New Jersey.
- Frizzi, R.P. (2010). **"Non-Destructive and Full-Scale Testing, Evaluation, and Re-use of Deep Foundation Systems.**" *Graduate Lectures in Foundation Engineering (CEE480)*. University of Illinois at Urbana-Champaign, Dept of Civil and Env Engr, Urbana, Illinois.
- Frizzi, R.P. (2010). **"Advances in Deep Foundation Construction and Quality Control"**. *International Piling and Deep Foundations Summit – China 2010*. Shanghai, China..
- Frizzi, R.P. (2010). **"Non-Destructive and Full-Scale Testing, Evaluation, and Re-use of Deep Foundation Systems.**" *Graduate Lectures in Foundation Engineering (CEE480)*. University of Illinois at Urbana-Champaign, Dept of Civil and Env Engr, Urbana, Illinois.
- Frizzi, R.P. (2010). **"Advances in Deep Foundation Construction and Quality Control"**. *International Piling and Deep Foundations Summit – China 2010*. Shanghai, China.
- Frizzi, R.P. (2009). **"Sustainability in Building Foundation Design and Construction."** *Lectures in Architecture and Construction Management (CM 307)*. Pratt Institute, School of Architecture, New York, New York.
- Frizzi, R.P. (2009). **"The Role of the Geotechnical Consultant."** *American Institute of Architects Continuing Education Seminar*. Culver City, CA.
- Meyer, M.E. and Frizzi, R.P. (2009). **"Non-Destructive Testing, Evaluation, and Re-Use of Deep Foundations along the East Coast."** *Proceedings of the Deep Foundations Institute's 34th Annual Conference on Deep[Foundations*, Kansas City, Missouri, The Deep Foundations Institute, Hawthorn, New Jersey, pp.235 – 244.
- Frizzi, R.P. (2009). **"Field Testing to Optimize Deep Foundation Design."** *Piling and Deep Foundations Asia*. Lantau, Hong Kong.
- Frizzi, R.P. (2009). **"Full-Scale Load Testing to Optimize Foundation Design."** *26th Annual International Bridge Conference, IBC 2009: Meeting Bridge Challenges in Challenging Times*. Pittsburgh, Pennsylvania.
- Frizzi, R.P. (2009). **"Introduction to Deep Foundations"** and **"Geotechnical Studies for Deep Foundations."** *Presentations to the Structural Engineer's Association of Southern California (SEAoS*C). Long Beach, California.
- Frizzi, R.P. (2009). **"Drilled Piles in Soft Rock – USA and Middle East Experience and Opportunities for the Future."** *Piling and Deep Foundations Summit*. Dubai, UAE.
- Executive Technical Committee (2009). **Piling and Deep Foundations Summit**. Dubai, UAE.
- Frizzi, R.P. (2008). "**Mergers & Acquisitions."** Presentation to ACEC Senior Executive Institute, Class XII, Sedona, Arizona.
- Frizzi, R.P. (2008). **"Verona Rocks! ...and Soil and Water."** Presentation to Boy Scouts of America.
- Frizzi, R.P. (2008). "**The Role of Geotechnical Engineering in The Development Process.**" *Graduate Lectures in Architecture.* Cooper Union School of Architecture, New York, New York.
- Frizzi, R.P. (2008). "**Augered Cast-In-Place (ACIP) and Drilled Displacement (DD) Pile Quality Control**." *Proc.,* Deep Foundations Institute Super Pile 08, Philadelphia, Pennsylvania. The Deep Foundations Institute, Hawthorne, New Jersey.

- Frizzi, R.P. (2007) **"Drilled Auger Displacement Pile Construction in an Urban Environment."** *Presentation to DFI / CSCE Geotechnical Seminar: Foundation Construction in an Urban Environment, Berlin, CT*. The Deep Foundations Institute, Hawthorn, New Jersey.
- Meyer, M.E., and Frizzi, R.P. (2007). **"Engineering Experiences with ACIP Piles in the Bahamas"**. *Proc. DFI ACIP Pile Specialty Seminar, Miami, Florida*. The Deep Foundations Institute, Hawthorne, New Jersey.
- Frizzi, R.P. (2007). **Site Development.** Undergraduate *Lectures in Construction Management (CM 307)*. Pratt Institute, School of Architecture, New York, New York.
- Technical Reviewer (2007). "**Implementation Manual for Design and Construction of Augered Pile Foundations**", Geotechnical Engineering Circular No. 8, Federal Highway Administration (FHWA), Washington, DC.
- Frizzi, R.P. (2006). "**Are Codes Inhibiting Innovation?**." *10th International Conference on Piling and Deep Foundations*, Amsterdam, The Netherlands.
- Frizzi, R.P. (2006). "**Environmental and Geotechnical Consultants Role in Design and Construction**." *American Institute of Architects Continuing Education Seminar*. Las Vegas, Nevada.
- Frizzi, R.P. (2006). "**Augered Cast-In-Place (ACIP) and Drilled Displacement (DD) Pile Quality Control**." *Proc., DFI Augered Cast-in-Place Pile Specialty Seminar, Los Angeles, California*. The Deep Foundations Institute, Hawthorne, New Jersey, pp 37 - 61.
- Frizzi, R.P. (2005). "**Field Performance Comparison of Polymer and Mineral Slurry Stabilized Drilled Shafts**." *Proc., DFI Specialty Seminar, Drilled Shafts: Constructability and Its Effect on Capacity, Orlando, Florida*. The Deep Foundations Institute, Hawthorne, New Jersey.
- Frizzi, R.P. (2005). "**Current Practice for Augered Cast-In-Place (ACIP) and Drilled Displacement (DD) Pile Quality Control**." *Proc., DFI Augered Cast-in-Place Pile Specialty Seminar, Cincinnati, Ohio*. The Deep Foundations Institute, Hawthorne, New Jersey, pp 49 - 648
- Frizzi, R.P. (2005). "**Role of the Geotechnical Consultant in the Design Process**." *American Institute of Architects Continuing Education Seminar*. New York, New York.
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