

CURRICULUM VITAE

**Edward J. Garbin, Jr., Ph.D., P.E., D.GE**

President, Principal Engineer

**Academic Background**

Ph.D., Civil Engineering (Geotechnical), University of South Florida, 2003

M.S., Civil Engineering (Geotechnical), University of South Florida, 1999

B.S., Civil Engineering (Structural), University of South Florida, 1998

A.S., Engineering Science, Camden County College, 1995

**Professional Registrations**

Registered Professional Engineer, State of Alabama, License No. 30749

Registered Professional Engineer, State of Arizona, License No. 74815

Registered Professional Engineer, State of Arkansas, License No. 20616

Registered Professional Engineer, State of Colorado, License No. PE.0061455

Registered Professional Engineer, State of Delaware, License No. 21937

Registered Professional Engineer, State of Florida, License No. 61020

Registered Professional Engineer, State of Georgia, License No. PE033515

Registered Professional Engineer, State of Illinois, License No. 062.072182

Registered Professional Engineer, State of Indiana, License No. PE12000220

Registered Professional Engineer, State of Iowa, License No. P26198

Registered Professional Engineer, State of Kansas, License No. 29355

Registered Professional Engineer, State of Kentucky, License No. 37279

Registered Professional Engineer, State of Louisiana, License No. 42352

Registered Professional Engineer, State of Maryland, License No. 57152

Registered Professional Engineer, State of Massachusetts, License No. 56186

Registered Professional Engineer, State of Michigan, License No. 6201309522

Registered Professional Engineer, State of Minnesota, License No. 57626

Registered Professional Engineer, State of Mississippi, License No. 28972

Registered Professional Engineer, State of Missouri, License No. PE-2020034916

Registered Professional Engineer, State of Montana, License No. PEL-PE-LIC-72727

Registered Professional Engineer, State of Nebraska, License No. E-18576

Registered Professional Engineer, State of New Jersey, License No. 24GE05439100

Registered Professional Engineer, State of New York, License No. 100371

Registered Professional Engineer, State of North Carolina, License No. 46733

Registered Professional Engineer, State of Ohio, License No. PE.85473

Registered Professional Engineer, State of Oklahoma, License No. 32544

Registered Professional Engineer, Commonwealth of Pennsylvania, License No. PE087328

Registered Professional Engineer, State of South Carolina, License No. 26854

Registered Professional Engineer, State of Tennessee, License No. 121447

Registered Professional Engineer, State of Texas, License No. 129211

Registered Professional Engineer, Commonwealth of Virginia, License No. 0402061061

Registered Professional Engineer, State of West Virginia, License No. 25116

Registered Professional Engineer, State of Wisconsin, License No. E-46280-6

### **Qualifications**

Diplomate, Geotechnical Engineering (D.GE), ASCE Academy of Geo-Professionals  
National Registration with the Council of Examiners for Engineering and Surveying (NCEES)  
Graduate, 2016 Florida Engineering Leadership Institute (FELI/FICE)

### **Professional Work History**

President, Principal Engineer, Garbin GeoStructural Group, LLC, 2017-Present  
Vice President of Engineering, Earth Tech, LLC, 2015-2017  
Chief Engineer, Southern Region, Hayward Baker, Inc. (Keller), 2007-2014  
Adjunct Professor, Civil Engineering, University of South Florida, 2004-2011  
Geotechnical Engineering Manager, Universal Engineering Sciences, Inc., 2003-2007  
Project Engineer/Instrumentation Lab Manager, Applied Foundation Testing, Inc., 1997-2003  
Engineering Technician, McClymont & Rak Engineers, 1994-1995 (Summers/Breaks)  
Construction Crew Chief, Asyla Construction, 1984-1994 (Summers/Breaks Through June 1988)

### **Areas of Expertise**

Geotechnical Engineering	Soil Mechanics
Geostructural Engineering	Building and Construction
Foundations	Concrete & Earthwork
Ground Improvement	Public Speaking and Continuing Education
Contracting and Management	Scheduling and Estimating
Design and Quality Control	Forensic Engineering

### **Professional Societies**

American Society of Civil Engineers (ASCE)  
Academy of Geo-Professionals (AGP)  
Deep Foundations Institute (DFI)  
Florida Engineering Society (FES)  
Geo-Institute of ASCE

### **Professional Honors**

ASCE Ridge Branch Project of the Year (Designer), Hayward Baker, 2012  
FDOT General Aviation Airport Project of the Year (Designer), Hayward Baker, 2012

### **Select Publications**

Cook, C.R., Plaskett, M.E., and Garbin, E.J., (2015), "Ground Improvements for a Sloped Runway Expansion." Proceedings, IFCEE 2015, San Antonio, Texas. March 17-21.

Garbin, E.J., Hill, J.R., and Hussin, J.D., (2014), "Rigid Inclusions for Embankment Support over Waste Phosphatic Clay." Proceedings, Geosynthetics Mining Solutions, Infomine, Vancouver, Canada. ISBN: 978-0-9917905-5-5.

Hussin, J.D., Garbin, E.J., (2012), "Recent Advancements in the Use of Dry Mass Stabilization for Structural Support in the United States." Proceedings, 4th International Conference on Grouting and Deep Mixing, Deep Foundations Institute, New Orleans, Louisiana.

Garbin, Edward J., McIntosh, Kirk A., and Desai, Karishma R., (2011), "Mass Stabilization for Settlement Control of Shallow Foundations on Soft Organic Clay Soils." Proceedings, Geo-Frontiers 2011 Conference, Geo-Institute of ASCE, Dallas, Texas.

Garbin, Edward J., (2010), "Tank Site Remediation." Tank Storage Magazine, September Issue, Horseshoe Media Ltd., London, UK.

Garbin, Ed, Mann, Joseph A., (2010), "Mass Stabilization for Environmentally Sensitive Projects in Florida." Proceedings, TRB 7th International Bridge Engineering Conference, San Antonio, Texas.

- Garbin, Ed, Hussin, James, and Kami, Chikashi, (2010), "Earth Retention Using the TRD Method." Proceedings, Earth Retention 2010, Geo-Institute of ASCE, Bellevue, Washington.
- Garbin, Edward J., Evans, Jeffrey C., and Hussin, James D., (2009), "Trench Cutting Remixing Deep (TRD) Method for Vertically Mixed-In-Place Cutoff Wall Construction at Herbert Hoover Dike." Proceedings, Dam Safety 2009, Association of State Dam Officials, Hollywood, FL.
- Evans, Jeffrey C., and Garbin, Edward J., (2009), "The TRD Method for In Situ Mixed Vertical Barriers." Proceedings, US-China Workshop on Ground Improvement Technologies IFCWEEF09, Orlando, FL.
- Garbin, E., Hioki, Y., Kami, C., and Lewis, C., (2009), "Evaluation of Trench Remixing Deep (TRD) Cutoff Wall Homogeneity Using Thermal Integrity Testing." Proceedings, International Symposium on Deep Mixing & Admixture Stabilization, Okinawa, Japan.
- Garbin, Ed J., Jr., Mullins, A. G. (2004), "The Statnamic Analysis Workbook: A Tool for Automated Statnamic Data Analysis and Storage." Journal of Engineering Technology, Fall 2004, pp. 18-24.
- McGillivray, R.T., Garbin, E.J., Jr., and Ashmawy, A.K. (2001), "Design of Geogrid Reinforcement for Heavily Loaded Pavement Systems." Proceedings, Geosynthetics 2001, Portland, Oregon, pp. 795-807.
- Mullins, G., Garbin, E., Lewis, C., and Ealy, C. (1998), "Statnamic Testing: University of South Florida Research." Second International Statnamic Seminar, Tokyo, Japan, October 28-30.