

## Dr. Edward J. Garbin, Jr., Ph.D., P.E., D.GE

**Founder, President & Principal Engineer | Garbin GeoStructural Group, LLC**

**Board-Certified Geotechnical Expert | Daubert-Tested & Court-Approved | Licensed PE in 40 States**

### Professional Bio

Dr. Edward J. Garbin, Jr. is a seasoned geotechnical and construction engineer with over 30 years of combined engineering and construction experience. He is the Founder, President, and Principal Engineer of Garbin GeoStructural Group, LLC (GGG), a specialty geostructural consultancy based in Saint Johns, Florida. Dr. Garbin holds a Ph.D. in Civil Engineering with an emphasis in Geotechnical Engineering from the University of South Florida and is a Diplomate, Geotechnical Engineering (D.GE) from the ASCE Academy of Geo-Professionals, one of the highest board certifications available in the geotechnical profession. He is a licensed Professional Engineer in 40 U.S. states, spanning virtually every region of the country.

Dr. Garbin's career reflects an uncommon depth of both academic rigor and field-level execution. He began his engineering career as a project engineer and Instrumentation Lab Manager at Applied Foundation Testing, Inc., where he developed hands-on expertise in foundation load and integrity testing methods that remain central to his practice today. He subsequently served as Geotechnical Engineering Manager at Universal Engineering Sciences, Inc., where he led geotechnical investigation and design programs across a broad range of project types. He also served as an Adjunct Professor of Civil Engineering at the University of South Florida, reinforcing the analytical foundation that underpins his technical opinions. At Hayward Baker, Inc. (a Keller company and one of the largest specialty geotechnical contractors in North America), Dr. Garbin served as Chief Engineer for the Southern Region (Southern US, Central America, and The Caribbean), overseeing the design of earth retention, ground improvement, and deep foundation systems on some of the most geotechnically complex projects in the country and abroad. He later served as Vice President of Engineering at Earth Tech, LLC before founding GGG in 2017.

Since founding GGG, Dr. Garbin has provided construction-ready geostructural designs, value engineering, peer reviews, and select expert witness services to an extensive roster of clients spanning major general contractors, specialty foundation contractors, industrial owners, and prominent law firms. His practice is built on the principle that sound engineering and clear, defensible technical opinion are not mutually exclusive, and that the best expert is one who has actually done the work, not just studied it.

### Expert Witness Qualifications

Dr. Garbin is a Board-Certified Subject Matter Expert with a demonstrated, court-validated track record as a geotechnical expert witness. In 2021, he successfully defeated a Daubert challenge in the United States District Court for the Eastern District of Pennsylvania (Rhoads Industries, Inc. v. Shoreline Foundation, Inc., et al., Civ. No. 15-921). The Court found his qualifications, methodology, and opinions fully consistent with the admissibility standards of Fed. R. Evid. 702. The defense challenged his qualifications on the grounds that he lacked specific pile driving experience, arguing for a narrow definition of the required expertise. The Court rejected that argument outright, finding that Dr. Garbin's Ph.D.-level training in geotechnical engineering, his academic background in soil dynamics and structural vibrations, his practical experience investigating subsidence, and his work on deep foundation and driven pile projects collectively satisfied the "broad range of knowledge, skills, and training" standard the law requires.

The Court further found his methodology reliable, noting that he had appropriately extrapolated from available vibration monitoring data, pile driving records, peer-reviewed scientific literature, and published Federal Highway Administration guidance. His opinions on vibration-induced settlement, standard of care for vibration monitoring, and practical refusal criteria were all admitted over defense objections.

Dr. Garbin provides expert witness and litigation support services for matters involving structural foundation failures and distress, ground improvement system performance, pile driving effects and vibration-induced settlement, earth retention system failures, construction defect disputes, and standard of care evaluations. He is experienced working with both plaintiff and defense counsel, and his written reports are drafted with the Daubert standard in mind from the outset. His opinions are grounded in peer-reviewed literature, published industry guidance, and decades of direct project experience.

### Select Clients

- **Owners and Industrial:** NASA (via Merrick & Company), Georgia-Pacific
- **General Contractors:** Brasfield & Gorrie, Skanska, Michels Corporation, Forgen, McShane Construction, Superior Construction, ARCO National Construction Company, Finrock Construction, Beaty Construction, Ramsey Construction
- **Specialty Contractors:** Midwest Drilled Foundations and Engineering, DFI Piling, Goettle, Beaver Excavating, Cyntech, Terra Engineering and Construction, ENTACT LLC
- **Legal Counsel:** Offit | Kurman Attorneys at Law, Cozen O'Connor, Daniel Coker Horton and Bell, Smith Cashion and Orr PLC, Flaster Greenberg PC

