



Gary L. Seider, P.E., M. ASCE
Engineering Manager, Civil & Utility Helical Products
Hubbell Power Systems, Inc., CHANCE Business Unit
210 N. Allen St.
Centralia, MO 65240

EDUCATION

B.S., Mechanical Engineering, May 1987, University of Missouri-Rolla

PROFESSIONAL REGISTRATION

Registered Professional Engineer, State of Missouri, License Number EN 025048

Registered Professional Engineer, State of Florida, License Number 70419

PROFESSIONAL AFFILIATIONS

Member, American Society of Civil Engineers

Member, Deep Foundations Institute

Helical Piles & Tiebacks Committee – Past Chairman

Manufacturer, Supplier, Service Provider (MSSP) Committee

EMPLOYMENT HISTORY

July 1987 to present - Hubbell Power Systems, Inc., A.B. Chance Division, Centralia, MO

- 2003 - Present: Engineering Manager, Civil and Construction Products - responsibilities include supervision of the application/project engineering staff, engineering services, and development of new helical anchor/piles and resistance pier products and applications.
- 1998-2002: Project Manager involved with the design and development of the Hubbell Power Systems, Inc/A. B. Chance Company HeliCAP® Engineering software, and the HELICAL PULLDOWN® Micropile.
- 1994 – 2002: Application/Sales Engineer in the Specified Anchor Group involved with specifications and recommendations of helical screw anchors for a variety of applications including underpinning, new construction, walkway foundations, tiedowns and tiebacks.
- 1987-1994: Project Engineer involved with the design and development of the A. B. Chance Company HELICAL PIER® Foundation System.

PATENTS

Eight United States Patents covering both apparatus and method application of helical piles and anchor products.

PUBLICATIONS

1. Fairbairn, Mark H., Goen, J. Lee, Herron, Jason, Seider, Gary L., (2013), “Axial and Lateral Capacity of Tapered Helical Piles for Transmission Pole Structures”, Proceedings, ISHF 1st International Geotechnical Symposium on Helical Foundations, UMASS, Amherst, MA.
2. Herron, Jason, Jennings, Benjamin, Moore, Tony, and Seider, Gary L., (2018), “Design of Grillage and Helical Pile Foundations for Limited Access Transmission Line”, Proceedings, Transmission Substation Design Operation Symposium (TSDOS), September 6th, 2018, Frisco, TX.
3. Hoyt, Robert M., Gary L. Seider, Lymon C. Reese, and Shin-Tower Wang (1995), “Buckling of Helical Anchors Used for Underpinning”, Proceedings, ASCE National Convention, San Diego, CA, pp. 89-108.
4. Lutenegger, Alan J., Gary L. Seider, “Profiling Subsurface Stratigraphy Using Torque Measurements from Installation of a Helical Plate”, Proceedings, ISC’4, Fourth International Conference on Geotechnical and Geophysical Site Characterization, September 18 – 21, 2012 Porto de Galinhas, Pernambuco, Brazil.
5. Seider, G. (2015), “Bearing and Friction Design Capacity Software for Helical Anchors and Piles”, Proceedings, The 2015 International Foundations Congress & Equipment Exposition (IFCEE), San Antonio, TX.
6. Seider, G. (1993), “Eccentric Loading of Helical Piers™ for Underpinning”, Proceedings, Third International Conference on Case Histories in Geotechnical Engineering, St. Louis, MO, pp.139-145.
7. Seider, G. (1993), “Eccentrically Loaded Helical™ Systems”, A.B. Chance Co. Bulletin 01-9303, Centralia, MO.
8. Seider, Gary L., "*Helical Foundations... What an Engineer Needs to Know*", Structure Magazine, June 2004; Volume 11, Number 6, ppgs. 27-28.
9. Seider, Gary L., Samuel P. Clemence, Richard E. Thorsten (2003), "Helical Piles with Grouted Shafts – A Practical Overview", Proceedings, DFI 28th Annual Conference on Deep Foundations, Miami Beach, FL, pp. 219-231.
10. Seider, Gary L., and Smith, Walter (1995), “Helical Tieback Anchors Help Reconstruct Failed Sheet Pile Wall”, Proceedings, 46th Highway Geology Symposium, Charleston, West Virginia, pp. 114-123.
11. Seider, Gary L., Chisholm, J.B. (2012), “Lateral Capacity of Helical Piles – Actual vs. Theoretical – Foundations for Solar Power Plants”, Proceedings, ASCE GeoCongress 2012:

state of the Art and Practice in Geotechnical Engineering GSP 226, Oakland, CA, pp. 315-325.

12. Seider, Gary L., “*Versatile Steel Screw Anchors*”, Structural Engineer Magazine, March 2000; Volume 1, Number 2, ppgs. 42-46.
13. Thorsten, Richard E., and Seider, Gary L. (2007), “Bearing and Friction Design Capacity Software for Helical Anchors and Piles”, Proceedings of the DFI 32nd Annual Conference on Deep Foundations, Colorado Springs, CO pp. 579-589.
14. Wesolek, Dana A., Schmednecht, Fred C., and Seider, Gary L. (2005), “Helical Piers/Anchors in the Chicago Building Code”, Proceedings of the DFI 30th Annual Conference on Deep Foundations, Chicago, IL pp. 193-204.