

**BIOGRAPHICAL INFORMATION:**

**Name:** James E. Laier

**Born:** May 15, 1941 (Allentown, PA)

**Home Address:** 4187 Blue Heron Ridge  
Mobile, AL 36693

**Home Phone:** 251-661-7179

**Business Address:** SandCastle Consulting, PC  
4187 Blue Heron Ridge  
Mobile, AL 36693

**Business Phone:** 251-604-6976

**Marital Status:** Married-Diana Kahler Laier

<b>Children:</b>	Constance Klaus	<b>Age:</b> 49
	Debra Chapman	46
	Stephanie Hunn	39

**EDUCATION:**

<u>INSTITUTION</u>	<u>DEGREE</u>	<u>GRAD. DATE</u>
The Citadel	B.S. Civil Engineering	1964
West Virginia University	M.S. Civil Engineering	1965
University of Florida	Ph.D. Civil Engineering	1973

**PROFESSIONAL EXPERIENCE:**

1964-1965	West Virginia University <i>Research Assistant</i> Duties: Research assistant for professors during Masters studies program
1965-1969	U.S. Army Corps of Engineers <i>Military Service</i> Duties: Geotechnical Engineer with the U.S. Army Corps of Engineers, serving in Germany, VietNam and the Continental United States
1969-1972	University of Florida <i>Research Assistant</i> Duties: Research assistant for professors during Doctoral studies program
1972-1973	McClelland Engineers, Inc. <i>Soils &amp; Foundation Engineer</i> Duties: Civil Engineer, duties included project management, field site investigations, foundation recommendations, etc.
1973-1974	Law Engineering Testing Co. <i>Soils &amp; Foundation Engineer</i> Civil Engineer, duties included project management, field site investigations, foundation recommendations, etc.

1974-1975            Vester J. Thompson, Jr., Inc.  
*Executive Vice President & Geotechnical Engineer*  
 Executive Vice President of Finn. Performed geotechnical, environmental and  
 Materials testing services.

1986-2009            University of South Alabama  
*Adjunct Professor*  
 College of Engineering  
 Foundations Engineering Instructor

1975-2009            Southern Earth Sciences, Inc.  
*Chief Executive Officer & Principal Engineer*  
 Founder, Chief Executive Officer and Principal Engineer for Environmental,  
 Geotechnical and Construction Materials Testing Firm with 10 offices in four states.

2009 – Present        University of South Alabama  
*Associate Dean of Engineering*  
 Administrative Assistant to the Dean and Associate Professor of Civil Engineering,  
 Teaching undergraduate and Graduate Classes in Civil Engineering.

2014 – Present        SandCastle Consulting, P.C.  
*President and Principal Engineer*  
 Consulting Geotechnical Engineers

**PREVIOUS RECOGNITION (PROFESSIONAL, TECHNICAL and CIVIC)**

Marquis Who's Who in the South and Southwest (14th Edition)	1985
Academy Member, West Virginia University Department of Civil and Environmental Engineering, Morgantown, West Virginia	2008
ACIL Preston Millar Award	2006
Alabama AGC Engineer of the Year	2006
ACIL Leadership Conference Excellence Award	1998
ACIL Excellence Award for Conference Host	1996

**CIVIC AND CHARITABLE ACTIVITIES**

University of South Alabama Research Park Board of Directors	Past Board Member
Mobile Area Water and Sewer System	Board Member
Alabama Department of Environmental Management	Board Member
South Alabama Regional Planning Commission (1998-2006)	Board Member
St. Luke's Episcopal School Committee on Mission Expansion	Past Committee Member
Mobile West Rotary Club	Past Member
South Alabama Gator Club (University of Florida Alumni)	Vice President
USA Wesley Foundation (2003-2005)	Building Committee Member
USA Campaign Leadership (2012)	Past Board Member
University of South Alabama Jaguar Athletic Club (2002)	Board Member
USA Mitchell/Moulton Scholarship Initiative (2013-2014)	Past President
St. Luke's Episcopal School Board of Trustees (2013-14)	Volunteer Leader
	Board Member

## PROFESSIONAL REGISTRATIONS

<u>STATE</u>	<u>NUMBER</u>	<u>DATE</u>	<u>BY EXAM</u>
Virginia	5039	1970	Exam
Alabama	10654	1975	Comity
Florida	15095	1970	Comity
Mississippi	6426	1975	Comity
Tennessee	18824	1987	Comity
Louisiana	20174	1982	Comity
Texas	35476	1973	Comity
Pennsylvania	20626	1974	Comity
North Carolina	14263	1987	Comity
South Carolina	11806	1987	Comity

## MEMBERSHIP & ACTIVITIES IN PROFESSIONAL SOCIETIES AND TECHNICAL ASSOCIATIONS

### **American Society of Civil Engineers (ASCE)**

Member since 1970

Served as President of Mobile Branch in 1978

Past member of Accreditation Board

Became Fellow and Lifetime Member in 1997

### **Tan Beta Pi- Citadel (1981)**

Charter Member

### **Associated General Contractors (AGC)**

Member for over 20 years

Past Associate Director of Mobile Section

### **Mobile Area Inter Engineering Societies Council**

Past Chairman

### **American Council of Independent Laboratories (ACIL)**

Member for 20+ years

Past Board of Directors member **Alabama**

### **Consulting Engineers Council Past**

Mobile Area Vice President

### **National Society of Professional Engineers**

Member for 20+ years

### **Pile Driving Contractor's Association**

Member for over 10 years

## PATENTS HELD, PUBLICATIONS AND PRESENTATIONS OF TECHNICAL PAPERS

Laier, James E., U.S. Patent No. 4,710,057, issued on December 1, 1987 - METHOD AND APPARATUS FOR BUILDING UP BEACHES AND PROTECTING SHORELINES

Laier, James E.; Ruffer, Joe W.; and Brenner, William H.; U.S. Patent No. 4,947,791, issued August 14, 1990 ARTIFICIAL REEF SYSTEM

"The Static Cone Penetrometer for Soil Exploration" with Richard M. Franke, Law Engineering Testing Company Special Technical Publication G-8, 1974

"Effects of Finite Pressure Meter Length in Dry Sand" with John H. Schmertmann and James H. Schaub, published in 1975 ASCE Specialty Conference Literature, Raleigh, North Carolina

- "Minimizing Foundation Swell Potential in Yazoo Clay" with Joseph H. Lamar, published in the Proceedings of the International Conference on Expansive Soils, Denver, Colorado, 1980
- "Instrumentation Performance in Soft Clay Soils (A Case History)" with William H. Brenner, published in the Proceedings of a Symposium: Sedimentation Consolidation Models, ASCE Conference, San Francisco, California, 1984
- "NaOH Deterioration of Untreated Timber Piling" published by the South Carolina Society of Engineers in their Quarterly Magazine, March 1985
- "Construction and Maintenance Problems on Expansive Soils", with Joseph H. Lamar, published in the Proceedings of the Sixth International Conference on Expansive Soils, New Delhi, India, December 1987
- "Oversteepened Slopes Reinforced with TENSAR Geogrid (A Case History)" with Robert M. Mattox, published in the Proceedings of the Second International Conference on Case Histories in Geotechnical Engineering, University of Missouri-Rolla June 1988
- "Assessing Site Assessments" with Keith Sibley published in "Civil Engineering Magazine", October 1989
- "Predicting the Ultimate Compressive Capacity of a Long 12-H-74 Steel Pile" published in the Proceedings of the U.S. Federal Highway Administration, December 1994
- "Retaining Wall Drainage" published in "Landscape Contractor National Magazine", December, 2007
- "Anatomy of Foundation Performance Involving Three Grain Silos Systematically Loaded to Impending Failure", with Gary D.E. Cowles and Mark E. White, published by the American Society of Civil Engineers Geotechnical Institute in Geotechnical Special Publication No. 180, at the Geo Institute's Annual Meeting, New Orleans, Louisiana, March 2008
- "From Research to Practice in Geotechnical Engineering", Editor with David K Crapps and Mohamad H. Hussein, published by the American Society of Civil Engineers Geotechnical Institute as Geotechnical Special Publication No. 180, at the Geo Institute's Annual Meeting, New Orleans, Louisiana, March 2008