

RESUME: JOHN H. SCHMERTMANN, PhD, PE



Born: 1928, New York, NY
Family: Wife (Pauline), 4 children (Carl, Gary, Neil & Joy)
Residence: Gainesville, FL (since 1956)
Education: BS Civil Engr., MIT 1950
MS Civil Engr., Northwestern, 1954
PhD Civil Engr., Northwestern, 1962

Positions:

1951-54 Soils Engineer, Mueser Rutledge Johnston & DeSimone, New York, NY
1954-56 Soils Engineer, US Army Corps of Engineers, SIPRE, Wilmette, IL (now CRREL located in Hanover, NH)
1956-62 Assistant Professor of Civil Engineering, University of Florida (UF)
1962-63 Post-doctoral Fellowship Norwegian Geotechnical Institute, Oslo
1963-65 Associate Professor of Civil Engineering, UF
1964-65 Summers, Soil Mechanics & Foundation Engineers, Inc., Palo Alto, CA
1965-78 Professor of Civil Engineering, UF, Retired Emeritus in 1979
1971-72 Visiting Scientist, National Research Council, Division of Building Research, Ottawa, Canada
1971-72 Part-time, McRostie Genest & Middlemiss, cons. Engineers, Ottawa
1979-97 Principal, Schmertmann & Crapps, Inc.
1991-2009 Director, LOADTEST, Inc.
2009- Principal, John H. Schmertmann, Inc.

Societies: ASCE Fellow, ASTM Member, FLA. ENGR. SOC. (FES) Fellow, NAE

Papers, Lectures, Honors: More than 75 published technical writings with 3 national and 1 divisional ASCE awards for outstanding papers: The Collingwood Prize in 1956, the Norman Medal (highest ASCE award) in 1971, the State-of-the-art Award in 1977, the Middlebrooks Award in 1981. Other honors include: 1971 FES Award for Technical Achievement, ASTM committee D-18 special Service Award in 1981, 2002, the ASCE Terzaghi Lecture in 1989, and ASCE'S Special Geotechnical Publication No. 180 published in his honor in 2008. To date he has led seminars and lectures at over 50 Universities and Societies in the USA and 30 foreign. Listed in "Who's Who in America" and in AAES "Who's Who in Engineering". Member National Academy of Engineering, elected 1984.

Research and Design: Significant practical then theoretical contributions in the specialty areas of consolidation testing, settlement analysis methods, seepage and piping, fundamental shear strength, shrink/swell clay, insitu testing, and soil ageing. Developed many design methods in use throughout the world. His insitu testing work includes a leading role in, a theoretical understanding of Standard Penetration Test, introducing the Dutch cone penetration and Marchetti dilatometer tests into the USA, and in developing the associated ASTM Standards. His Terzaghi Lecture introduced new soil ageing concepts. Most recently he has pioneered in introducing new testing methods and related theory for deep foundations, a new design method for piping through embankment sands, and better understanding clay shear strength and consolidation.

Consulting: Over 55 years experience. Over 500 assignments in geotechnical problems. These assignments have varied in scope from shrink/swell clay problems at residences to the geotechnical investigation and design recommendations for the foundations for the former world record concrete Sunshine Skyway Bridge replacement across Tampa Bay. He has also worked on forensic and review board assignments.