



Instructor Biography

Annalingam Anandarajah (Dr. Rajah)

Dr. Anandarajah obtained a B.Sc. degree in civil engineering in 1977 from the University of Sri Lanka. He earned a master's degree in civil engineering in 1980, and a doctoral degree in civil engineering, with a special focus on geotechnical engineering, in 1982, both from the University of California, Davis. Dr. Anandarajah is a citizen of the United States. He is married and has two children. He was born in 1953.

Dr. Anandarajah began his career as an Assistant Professor in the Department of Civil Engineering of the South Dakota School of Mines and Technology in 1982. After a period two years, he joined the faculty of civil engineering at the Johns Hopkins University in 1984. He was promoted to the rank of Associate Professor in 1991 and to the rank of Full Professor in 1995. After serving as a faculty member at Johns Hopkins for 28 years, he has retired in 2012 to devote his time to transfer the knowledge to practicing structural and geotechnical engineers. Prior to beginning work in academics, he worked in various civil engineering industries for a cumulative period of about two years. Dr. Anandarajah was also a faculty research fellow at Tyndall Air Force Base during the summer of 1984.

Dr. Anandarajah's research interests are in the areas of geotechnical engineering, mechanics, micromechanics, numerical modeling, finite element modeling, fundamental behavior of soils, finite element modeling of static and earthquake soil and soil-structure interaction problems, constitutive modeling of soils, and field-testing of geotechnical engineering structures. Dr. Anandarajah has published a graduate level book: "Anandarajah, A. (2010) Computational Methods in Elasticity and Plasticity: Solids and Porous Media, Springer, 652 pages." During his tenure at JHU, Dr. Anandarajah has supervised/served as advisor for numerous undergraduate, master's and doctoral degree students. He served in the doctoral examination and thesis committees for numerous students. In addition, Dr. Anandarajah has served as the Program Chair for the Civil Engineering Part-Time Program of Johns Hopkins University for many of the 28 years he had been with Johns Hopkins. As part of this, he has not only taught numerous evening courses for the part-time students, but advised numerous master's degree students.

Dr. Anandarajah served as a member of the Board of Directors of the Maryland Section of the American Society of Civil Engineers (ASCE). He was past chair (1999-2001) and past vice-chair (1998-1999, 2001-2002) of the Inelastic Behavior Committee of the Engineering Mechanics Division (EMD) of ASCE. He served (1999-2000) as an Associate Editor of the Journal of Engineering Mechanics Division of ASCE. Dr. Anandarajah is a past member of the Properties of Materials committee of EMD/ASCE (1998-2013) and past member (1986-1993) of the Soil Properties committee of the Geotechnical Division of ASCE. Dr. Anandarajah has published numerous peer-reviewed technical papers and delivered over 20 invited and keynote lectures in his areas of expertise. He obtained numerous research grants from various agencies, including National Science Foundation, Naval Research Laboratory, Air Force Office of Scientific Research, Federal Highway Administration and Maryland State Highway Administration.