

Principles of Geotechnical Engineering


By Braja M. Das, Khaled Sobhan


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Intended as an introductory text in soil mechanics, the eighth edition of Das, PRINCIPLES OF GEOTECHNICAL ENGINEERING offers an overview of soil properties and mechanics together with coverage of field practices and basic engineering procedure. Background information needed to support study in later design-oriented courses or in professional practice is provided through a wealth of comprehensive discussions, detailed explanations, and more figures and worked out problems than any other text in the market.

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"The book is well written, clearly and precisely, as compared with other soil mechanics books. Students could take a big advantage using this book for independent study."

About the Author

Dr. Braja Das is Dean Emeritus of the College of Engineering and Computer Science at California State University, Sacramento. He received his M.S. in Civil Engineering from the University of Iowa and his Ph.D. in Geotechnical Engineering from the University of Wisconsin. He is the author of a number of geotechnical engineering texts and reference books and more than 250 technical papers in the area of geotechnical engineering. His primary areas of research include shallow foundations, earth anchors, and geosynthetics. Dr. Das is a Fellow and Life Member of the American Society of Civil Engineers, Life Member of the American Society for Engineering Education, and an Emeritus Member of the Chemical and Mechanical Stabilization Committee of the Transportation Research Board of the National Research Council (Washington D.C.). He has received numerous awards for teaching excellence, including the AMOCO Foundation Award, the AT&T Award for Teaching Excellence from the American Society for Engineering Education, the Ralph Teeter Award from the Society of Automotive Engineers, and the Distinguished Achievement Award for Teaching Excellence from the University of Texas at El Paso.

Dr. Khaled Sobhan is a Professor of Civil, Environmental and Geomatics Engineering at Florida Atlantic University. He received his M.S. degree from The Johns Hopkins University, and his Ph.D. from Northwestern University, both in the area of Geotechnical Engineering. His primary research areas include ground improvement, geotechnology of soft soils, experimental soil mechanics, and geotechnical aspects of pavement engineering. Dr. Sobhan served as the Chair of the Chemical and Mechanical Stabilization committee (AFS90) of the Transportation Research Board (2005-2011), and co-authored the TRB Circular titled Evaluation of Chemical Stabilizers: State-of-the-Practice Report (EC086). He is currently serving as an Associate Editor of ASCE Journal of Materials in Civil Engineering, and on the editorial boards of the ASTM Geotechnical Testing Journal, Geotechnical and Geological Engineering (Springer, The Netherlands), and International Journal of Geotechnical Engineering. Dr. Sobhan is a recipient of the distinguished Award for Excellence and Innovation in Undergraduate Teaching (2006), and the Excellence in Graduate Mentoring Award (2009) from Florida Atlantic University. He has authored/co-authored more than 100 technical articles and reports in the area of geotechnical engineering.

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