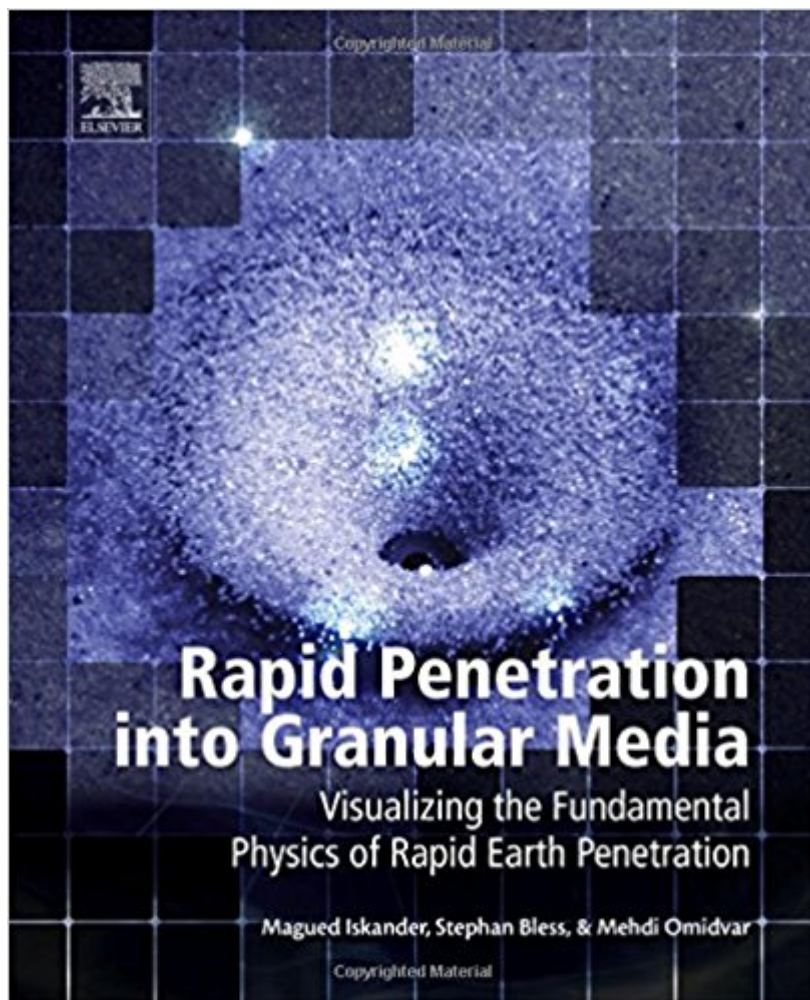




Ebook Directory
the best source of ebook

The book was found

Rapid Penetration Into Granular Media: Visualizing The Fundamental Physics Of Rapid Earth Penetration



Synopsis

Rapid Penetration into Granular Media: Visualizing the Fundamental Physics of Rapid Penetration introduces readers to the variety of methods developed to visualize, observe, and model the rapid penetration of natural and man-made projectiles into earth materials while providing seasoned practitioners with a standard reference that showcases the topic's most recent developments in research and application. There has been a flurry of recently funded research both in the U.S. and Europe on studying the behavior of projectiles in granular media. This book compiles the findings of recent research on the subject and outlines the fundamental physics of rapid earth penetration, and assembles a comprehensive collection of experimental and numerical techniques to study the problem. Presents a comprehensive interdisciplinary review of the latest research developments in the response of granular media to impact and impulsive loading Combines the experience of prominent researchers from different disciplines focusing on the challenges presented by impact loading of granular media Introduces recently developed methods for visualizing the fundamental physics of rapid penetration into granular media

Book Information

Hardcover: 458 pages

Publisher: Elsevier; 1 edition (August 14, 2015)

Language: English

ISBN-10: 0128008687

ISBN-13: 978-0128008683

Product Dimensions: 7.6 x 1.2 x 9.4 inches

Shipping Weight: 15.7 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #2,018,217 in Books (See Top 100 in Books) #77 in Books > Science & Math > Earth Sciences > Geology > Sedimentary #308 in Books > Science & Math > Earth Sciences > Seismology #409 in Books > Science & Math > Earth Sciences > Earthquakes & Volcanoes

Customer Reviews

Magued Iskander, PhD, PE, F.ASCE, is a Professor of Geotechnical and Chair of the Civil and Urban Engineering Department at New York University Polytechnic School of Engineering. He is widely recognized as the leading authority on physical modeling of geotechnical applications using transparent soils. Professor Iskander served as Principal Investigator (PI) and Co-PI on over \$12 Million of research and educational grants and contracts, including the NSF CAREER Award. He is

a Fellow of The American Society of Civil Engineers (ASCE). Dr. Iskander authored 4 books, edited 10 books, and published over 150 papers. He graduated 9 doctoral and 31 mastersâ™ students. Stephan Bless, ScD, F.APS, F.IBS, is a Research Professor in the Department of Civil and Urban Engineering at New York University Polytechnic School of Engineering. Before joining NYU he was Head of the Hypervelocity Effects Division at the University of Texas Institute for Advanced Technology. He is an expert in impact effects and the dynamic behavior of materials, with extensive publications in shock physics, terminal ballistics, and strength of materials. He is a Fellow of the American Physical Society and the International Ballistics Society. He can be reached at sbless@nyu.edu. Mehdi Omidvar, PhD, is an Assistant Professor in the Civil and Environmental Engineering Department at Manhattan College. He received his PhD from New York University, where he studied the macro and micro scale behavior of natural and artificial sands to rapid penetration. He has published over 30 articles dealing with granular mechanics, soil dynamics, and nonlinear dynamics.

[Download to continue reading...](#)

Rapid Penetration into Granular Media: Visualizing the Fundamental Physics of Rapid Earth Penetration Social Media: Master Social Media Marketing - Facebook, Twitter, Youtube & Instagram (Social Media, Social Media Marketing, Facebook, Twitter, Youtube, Instagram, Pinterest) Hacking: Basic Security, Penetration Testing and How to Hack (hacking, how to hack, penetration testing, basic security, arduino, python, engineering Book 1) Hacking: How to Hack Computers, Basic Security and Penetration Testing (Hacking, How to Hack, Hacking for Dummies, Computer Hacking, penetration testing, basic security, arduino, python) Granular Neural Networks, Pattern Recognition and Bioinformatics (Studies in Computational Intelligence) 101 Mixed Media Techniques: Master the fundamental concepts of mixed media art ATKINS DIET: Weight Loss Secrets and a Quick Start Guide For a New and Permanent You: Rapid Weight Loss Guide For Beginners, Rapid Weight Loss Guide, Atkins Rapid Weight Loss Fundamental Aspects of Plasma Chemical Physics: Transport (Springer Series on Atomic, Optical, and Plasma Physics) Forex: Using Fundamental Analysis & Fundamental Trading Techniques to maximize your Gains. (Forex, Forex Trading, Forex Strategy, Forex Trading Strategies, ... Forex Trading Books, Trading Strategies) Roofing (Fundamental Series) (Passbooks) (Fundamental Passbooks) Fundamental Neuroscience, Fourth Edition (Squire, Fundamental Neuroscience) Fundamental Snowboarding (Fundamental Sports) Social Media: Dominating Strategies for Social Media Marketing with Twitter, Facebook, Youtube, LinkedIn and Instagram: Social Media, Network Marketing, Book 1 Social Media: Strategies To Mastering Your Brand- Facebook, Instagram, Twitter and Snapchat (Social Media, Social Media Marketing)

Social Media: 30 Marketing Strategies for Facebook, Twitter and Instagram (Social Media, Facebook, Twitter, Instagram, Social Media Marketing) Sport Beyond Television: The Internet, Digital Media and the Rise of Networked Media Sport (Routledge Research in Cultural and Media Studies) My Mueller Spiral-Ultra Vegetable Spiralizer Cookbook: 101 Recipes to Turn Zucchini into Pasta, Cauliflower into Rice, Potatoes into Lasagna, Beets into ... Slicer! (Vegetable Spiralizer Cookbooks) The Solid State: An Introduction to the Physics of Crystals for Students of Physics, Materials Science, and Engineering (Oxford Physics Series) Head First Physics: A learner's companion to mechanics and practical physics (AP Physics B - Advanced Placement) Physics for Scientists and Engineers with Modern Physics: Volume II (3rd Edition) (Physics for Scientists & Engineers)

[Contact Us](#)

[DMCA](#)

[Privacy](#)

[FAQ & Help](#)