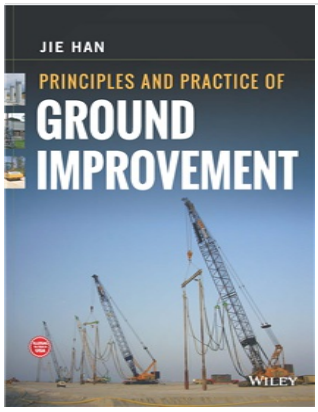
Book Information Sheet



Principles and Practice of Ground Improvement

Jie Han

2018 | 432 pp | Paperback | ISBN: 9788126574148 | Price: 1,395.00

About the Book

Gain a stronger foundation with optimal ground improvement

Before you break ground on a new structure, you need to analyze the structure of the ground. Expert analysis and optimization of the geo-materials on your site can mean the difference between a lasting structure and a school in a sinkhole. Sometimes problematic geology is expected because of the location, but other times it's only unearthed once construction has begun. You need to be able to quickly adapt your project plan to include an improvement to unfavorable ground before the project can safely continue.

Principles and Practice of Ground Improvement is the only comprehensive, up-to-date compendium of solutions to this critical aspect of civil engineering. Dr. Jie Han, registered Professional Engineer and preeminent voice in geotechnical engineering, is the ultimate guide to the methods and best practices of ground improvement. Han walks you through various ground improvement solutions and provides theoretical and practical advice for determining which technique fits each situation.

Salient Features

Follow examples to find solutions to complex problems

Complete homework problems to tackle issues that present themselves in the field

Study design procedures for each technique to simplify field implementation

Brush up on modern ground improvement technologies to keep abreast of all available options

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Jie Han :- is a professor of Geotechnical Engineering at the Department of Civil, Environmental, & Architectural Engineering at the University of Kansas. He is a Fellow of the American Society of Civil Engineers (ASCE), a registered Professional Engineer in Georgia, a member of a number of technical committees and boards, and the author of more than 200 papers published in journals and conference proceedings.