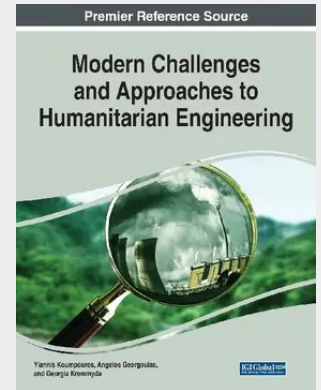


Modern Challenges and Approaches to Humanitarian Engineering

The 21st century is associated with a number of environmental, social, and economic challenges spanning from globalization and migration to climate change, global health, urbanization, and natural hazards. These challenges of the modern age command our immediate reaction towards an equal society. There is an urgent need for scientists, researchers, and politicians to take the reins by providing immediate solutions to tackle this harsh reality. The need for a more human approach has recently led to what we call humanitarian engineering. Challenges and Approaches to Humanitarian Engineering provides relevant theoretical frameworks and the latest empirical research findings in this area. It discusses the most recent challenges and approaches in the field of humanitarian engineering and presents research, case studies, and innovative models. Covering topics such as contact tracing apps, scientific production, and sustainable management, this book is an essential resource for engineers, government officials, scientists, activists, humanitarians, emergency management agencies, students and educators of higher education, researchers, and academicians.

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188,80 €

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Lieferfrist: bis zu 10 Tage

Artikelnummer: 9781799891918

Medium: Buch

ISBN: 978-1-7998-9191-8

Verlag: Engineering Science
Reference

Erscheinungstermin: 25.03.2022

Sprache(n): Englisch

Auflage: Erscheinungsjahr 2022

Produktform: Kartoniert

Gewicht: 877 g

Seiten: 430

Format (B x H): 216 x 280 mm

