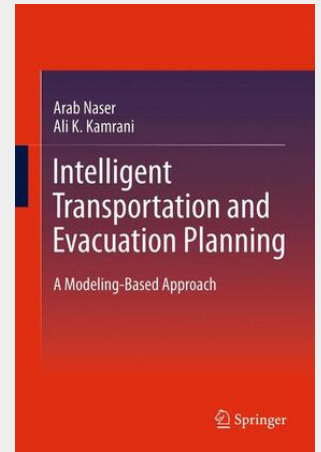


Intelligent Transportation and Evacuation Planning

A Modeling-Based Approach

Intelligent Transportation and Evacuation Planning: A Modeling-Based Approach provides a new paradigm for evacuation planning strategies and techniques. Recently, evacuation planning and modeling have increasingly attracted interest among researchers as well as government officials. This interest stems from the recent catastrophic hurricanes and weather-related events that occurred in the southeastern United States (Hurricane Katrina and Rita). The evacuation methods that were in place before and during the hurricanes did not work well and resulted in thousands of deaths. This book offers insights into the methods and techniques that allow for implementing mathematical-based, simulation-based, and integrated optimization and simulation-based engineering approaches for evacuation planning.

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106,99 €
99,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9781489973344
Medium: Buch
ISBN: 978-1-4899-7334-4
Verlag: Springer US
Erscheinungstermin: 13.04.2014
Sprache(n): Englisch
Auflage: 2012
Produktform: Kartoniert
Gewicht: 201 g
Seiten: 108
Format (B x H): 155 x 235 mm

