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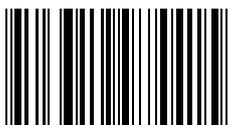
Kotsireas, I.S., Nagurney, A., Pardalos, P.M. (Eds.), Wilfrid Laurier University, Waterloo, ON, Canada

# Dynamics of Disasters

**Algorithmic Approaches and Applications**

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- **Outlines hurdles from mitigation and preparedness to response and recovery**
- **Uses mathematical models to describe natural and manmade disasters**

This book surveys new algorithmic approaches and applications to natural and man-made disasters such as oil spills, hurricanes, earthquakes and wildfires. Based on the "Third International Conference on Dynamics of Disasters" held in Kalamata, Greece, July 2017, this Work includes contributions in evacuation logistics, disaster communications between first responders, disaster relief, and a case study on humanitarian logistics. Multi-disciplinary theories, tools, techniques and methodologies are linked with disasters from mitigation and preparedness to response and recovery. The interdisciplinary approach to problems in economics, optimization, government, management, business, humanities, engineering, medicine, mathematics, computer science, behavioral studies, emergency services, and environmental studies will engage readers from a wide variety of fields and backgrounds.

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