

**SPECIAL ISSUE ON AI-BASED GEOSPATIAL ANALYSIS
OF GEOSENSOR DATA FOR DISASTER MANAGEMENT: PART 1**

PREFACE



The past few decades have witnessed significant loss of life and property in natural disasters. Moreover, global climate change and the growing world population pose new challenges for disaster management. The recent developments in the geospatial analysis of data obtained from geosensors by AI can provide new opportunities for disaster researchers and practitioners to improve public safety in disasters.

This special issue focuses on the methods and applications of AI-based geospatial analysis of geosensor data for disasters, including monitoring, prediction, loss assessment, decision-making, emergency responses, and emergency planning, to improve rescue and protect lives and property.



All papers were submitted by researchers working in related fields. We have collected works on the current practice and the state of research in this topic with the background of disaster management in China.

This special issue contains seven papers categorized into ground-based radar sensors, unmanned aerial vehicles, and satellite optical sensors. These papers are related to risk mapping, damage monitoring, and rescue path planning, which are important topics in risk management.

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Zhonghua Hong
Shanghai Ocean University
China

Dapeng Li
South Dakota State University
USA