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Nota di contenuto	1. Introductory Chapter: Landslides -- 2. The Effect of Aspect on Landslide and Its Relationship with Other Parameters -- 3. Implications of Soil Properties on Landslide Occurrence in Kigezi Highlands of South Western Uganda -- 4. Landslide Mitigation through Biocementation -- 5. Evaluation of Landslide Susceptibility of Savsat District of Artvin Province (Turkey) Using Machine Learning Techniques -- 6. Performance Evaluation of Geometric Modification on the Stability of Road Cut Slope Using FE Based Plaxis Software -- 7. Assessment of Landslide Risk in Ethiopia: Distributions, Causes, and Impacts -- 8. Landslide Analysis over Creep Theory -- Crack Propagation of Shale Slopes in Srnak Asphaltite Coal Mine Site 1 and 2 -- 9. Analysis of Landslide and Land Subsident Using Geophysical Method in the East Java Province, Indonesia -- 10. Landslide Movement Monitoring with InSAR Technologies -- 11. Landslide Inventory, Susceptibility, Hazard and Risk Mapping -- 12. Detection and Warning of Tsunamis Generated by Marine Landslides -- 13. Empirical Rainfall Thresholds for Landslide Occurrence in Serra do Mar, Angra dos Reis, Brazil.
Sommario/riassunto	In recent years, landslides and their impacts have drawn increasing awareness globally, regionally, and locally. Landslides as catastrophic events can cause human injury, loss of life, and economic devastation as well as destroy infrastructures and cultural and natural heritage. New technologies, including interferometric synthetic aperture radar (InSAR) and geographic information systems (GIS), are being thoroughly adopted and applied to dynamic and process monitoring and modelling of coal mine and marine landslides, land subsidence, and tsunami

landslides. These technologies are also being used for hazard mapping and assessment, early warning and evacuation, and regional or local landslide mitigation. This book discusses these topics and more.