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Nota di contenuto	Frontmatter -- Preface -- Contents -- Fault-Zone Guided Wave, Ground Motion, Landslide and Earthquake Forecast / Li, Yong-Gang -- Chapter 1. Fault-Zone Trapped Waves Generated by Aftershocks and Explosions to Charac- terize the Subsurface Rupture Zone of the 2014 Mw6.0 South Napa Earthquake, California / Li, Yong-Gang / Catchings, Rufus D. / Goldman, Mark R. -- Chapter 2. The Calico Fault Compliant Zone at Depth Viewed by Fault-Zone TrappedWaves from Teleseismic Earthquakes / Li, Yong-Gang -- Chapter 3. Towards Real-Time Earthquake Ground- Motion Estimation Based on Full-3D Earth Structure Models / Chen, Po / Lee, En-Jui / Wang, Wei -- Chapter 4. Comparisons of ETAS Models on Global Tectonic Zones with Computing Implementation / Chu, Annie -- Chapter 5. Distribution of Earthquake-Triggered Landslides across Landscapes: Towards Understanding Erosional Agency and Cascading Hazards / Li, Gen / West, A. Joshua / Densmore, Alexander L. / Jin, Zhangdong / Zhang, Fei / Wang, Jin / Hilton, Robert G. -- Chapter 6. A Review on Numerical Models for Coal and Gas Outbursts / Wang, Yucang / Xue, Sheng -- Chapter 7. International Consultation on the Likelihood of Earthquakes: Two Cases in 2008 after the Wenchuan Earthquake / Wu, Zhongliang

Sommario/riassunto

The book covers multi-disciplinary topics in observational, computational and applied geophysics in aspects of solid earth system. The authors provide an up-to-date overview for methods and techniques in seismology, with a focus on fault structure, strong ground motion and earthquake forecast based on full-3D earth structure models. Abundant of case studies make it a practical reference for researchers in seismology and applied geophysics.