Pre-Earthquake signals are advanced warnings of a larger seismic event. A better understanding of these processes can help to predict the characteristics of the subsequent mainshock. Pre-Earthquake Processes: A Multidisciplinary Approach to Earthquake Prediction Studies presents the latest research on earthquake forecasting and prediction based on observations and physical modeling in China, Greece, Italy, France, Japan, Russia, Taiwan, and the United States.

Volume highlights include:

• Describes the earthquake processes and the observed physical signals that precede them

• Explores the relationship between pre-earthquake activity and the characteristics of subsequent seismic events

• Encompasses physical, atmospheric, geochemical, and historical characteristics of pre-earthquakes

• Illustrates thermal infrared, seismo–ionospheric, and other satellite and ground-based pre-earthquake anomalies

• Applies these multidisciplinary data to earthquake forecasting and prediction

Written for seismologists, geophysicists, geochemists, physical scientists, students and others, Pre-Earthquake Processes: A Multidisciplinary Approach to Earthquake Prediction Studies offers an essential resource for understanding the dynamics of pre-earthquake phenomena from an international and multidisciplinary perspective.
ABOUT THE AUTHOR

Dimitar Ouzounov, Chapman University, USA

Sergey Pulinets, Space Research Institute, Russia

Katsumi Hattori, Chiba University, Japan

Patrick Taylor, NASA Goddard Space Flight Center, USA

SERIES

Geophysical Monograph Series

For additional product details, please visit https://www.wiley.com/en-us