1. Record Nr. UNINA9910483904603321 Autore Panda Anton Titolo Forecasting catastrophic events in technology, nature and medicine // Anton Panda, Volodymyr Nahornyi Pubbl/distr/stampa Cham, Switzerland: ,: Springer, , [2021] ©2021 **ISBN** 3-030-65328-5 Edizione [1st ed. 2021.] Descrizione fisica 1 online resource (XVII, 97 p. 75 illus., 51 illus. in color.) Collana SpringerBriefs in Computational Intelligence, , 2625-3704 Disciplina 003.2 Soggetti Forecasting - Methodology Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Nota di contenuto Introduction -- Analysis of current state of forecasting objects and phenomena -- Specification of problems solutions -- Application of the developed forecasting methodology in various spheres of human activity -- Conclusion -- References. This book presents a methodology for forecasting events and Sommario/riassunto phenomena occurring in technology and natural environments. The methodology is based on forecasting the individual state of the control object, which is carried out based on the analysis of the trend behavior of the controlled parameter (symptom of the disease). The methodology helps determining the time of the onset of a destructive earthquake, its strength and the coordinates of the epicentre, predicting the time of the descent of glaciers and landslides long before the event. In medicine, the methodology predicts the severity of

a disease and forecast of its aggravation.