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## Mine Seismology: Seismic Warning Concept

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By S. N. Glazer

Springer-Verlag GmbH Okt 2017, 2017. Buch. Condition: Neu. Neuware - This book illustrates how mine seismology can be used to improve underground safety standards. It describes several preventive actions that have been put into practice at the 5B Area of No. 5 Shaft Vaal Reefs gold mine after issuing seismic warnings. These included additional safety pillars, changes in mining sequences and directions, and a review of the mining strategy for the entire 5B area. The presented experiment with seismic warning concept was a success because it was an internal mine project. Further, the Vaal Reefs management adopted the philosophy that the success rate should be measured in the preventive actions taken, not in the success of the prediction itself. Reviewing these and other aspects, the book clearly demonstrates how mine seismology can effectively improve underground safety standards. Stefan Glazer's book (.) addresses in a very comprehensive manner both technical and practical problems of implementing and then effectively using microseismic networks and data. (.) Stefan proves that through comprehensive microseismic data analysis the location of potential rock burst can be assessed and then prevention action plans can be developed, providing more confidence to management and workers that deposit[s] can be mine[d]...



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