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Altri autori (Persone)	ZhaoJian <1960-> LiJianchun
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Note generali	A balkema book. Proceedings of the first International Conference on Rock Dynamics and Applications (RocDyn-1), Lausanne, Switzerland, 6-8 June 2013.
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Nota di contenuto	Keynotes -- Laboratory testing and field observation -- Dynamics theory and numerical modelling -- Engineering design and case studies.
Sommario/riassunto	Rock dynamics studies the response of rock materials and rock masses under dynamic loading conditions. In the last a couple of decades, the development of experimental and computational techniques has been able to capture the progress of fracturing in microsecond steps, allowing the exploration on how the fracture is initiated, propagated and branched, leading to the development of new scientific theories. A summary of these developments on rock dynamic testing, modeling and theory will help the scientific and engineering community to consolidate the understanding of rock dynamics and to apply the knowledge to practice. Rock Dynamics and Applications - State of the Art reviews the state-of-the-art of rock dynamics scientific research and engineering applications. The 77 technical papers, including 13 keynotes cover dynamics theory and numerical modelling, laboratory testing and field observation, engineering design and case study, focus on the dynamic aspects of rock mechanics and rock engineering. The

book will be useful to academics and engineers interested in rock dynamics and its applications in rock mechanics and rock engineering. Rock dynamics studies the response of rock materials and rock masses under dynamic loading conditions. In the last a couple of decades, the development of experimental and computational techniques has been able to capture the progress of fracturing in microsecond steps, allowing the exploration on how the fracture is initiated, propagated and branched, leading to the development of new scientific theories. A summary of these developments on rock dynamic testing, modeling and theory will help the scientific and engineering community to consolidate the understanding of rock dynamics and to apply the knowledge to practice. Rock Dynamics and Applications - State of the Art reviews the state-of-the-art of rock dynamics scientific research and engineering applications. The 77 technical papers, including 13 keynotes cover dynamics theory and numerical modelling, laboratory testing and field observation, engineering design and case study, focus on the dynamic aspects of rock mechanics and rock engineering. The book will be useful to academics and engineers interested in rock dynamics and its applications in rock mechanics and rock engineering.