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| Autore | Meyer Thierry <1961-> |
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| Pubbl/distr/stampa | Berlin ; ; Boston, : De Gruyter, c2013 |
| ISBN | 9781628704693 1628704691 9783110285161 3110285169 |
| Descrizione fisica | 1 online resource (296 p.) |
| Collana | De Gruyter graduate |
| Classificazione | ZG 9200 |
| Altri autori (Persone) | ReniersGenserik L. L |
| Disciplina | 620.0068/1 |
| Soggetti | System failures (Engineering) - Prevention Risk assessment |
| Lingua di pubblicazione | Inglese |
| Formato | Materiale a stampa |
| Livello bibliografico | Monografia |
| Note generali | Description based upon print version of record. |
| Nota di bibliografia | Includes bibliographical references and index. |
| Nota di contenuto | Introduction to engineering and managing risks -- Risk management principles -- Risk diagnostic and analysis -- Risk treatment and reduction -- Event analysis -- Crisis management -- Economic issues of risks -- Risk governance -- Examples of practical implementation of engineering risk management -- Examples of major industrial accidents -- Concluding remarks. |
| Sommario/riassunto | The book presents risk management from an engineering perspective. Both a systemic and analytic viewpoint are important in this regard. The introduction to the concept of 'risk' is followed by risk management principles, risk diagnostic, analysis and treatment, event analysis, crisis management, economic issues, risk governance followed by examples of practical implementation in chemistry, physics and emerging technologies such as nanoparticles. Finally, also a number of well-known major industrial accidents are discussed, and how one can learn from accidents. The book is aimed at anyone faced with risk and safety issues. The target audience can be as diverse as students, engineers, scientists, sociologists, psychologists, or actually all practitioners and academics interested in the matter. |