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Nota di contenuto	Frontmatter -- Preface / Moore, David A. -- Contents -- List of Contributors -- 1. Introduction -- 2. American legislation and regulatory measures: a lesson for Europe? / Pasman, Hans -- 3. Security vulnerability analysis : protecting process plants from physical and cyber threats / Baybutt, Paul -- 4. Security risk assessment: Some techniques / Bajpai, Shailendra / Gupta, J. P. -- 5. A methodology for the evaluation of attractiveness with respect to external acts of interference dedicated to the chemical and process industry / Landucci, Gabriele / Argenti, Francesca / Cozzani, Valerio -- 6. Applying game theory for adversarial risk analysis in chemical plants / Zhang, Laobing / Reniers, Genserik -- 7. Dynamic security assessment: benefits and limitations / Paltrinieri, Nicola / Haskins, Cecilia -- 8. Security vulnerability assessment: A review of Bayesian network approaches / Khakzad, Nima -- 9. OR methods to enhance security in the chemical process industry / Talarico, Luca / Reniers, Genserik -- 10. Conclusions
Sommario/riassunto	This book deals with the state-of-the-art of physical security knowledge and research in the chemical and process industries. Legislation differences between Europe and the USA are investigated, followed by an overview of the how, what and why of contemporary

security risk assessment in this particular industrial sector. Innovative solutions such as attractiveness calculations and the use of game theory, advancing the present science of adversarial risk analysis, are discussed. The book further stands up for developing and employing dynamic security risk assessments, for instance based on Bayesian networks, and using OR methods to truly move security forward in the chemical and process industries.
