

1. Record Nr.	UNINA9910825064203321
Titolo	Critical infrastructure protection // edited by Matthew Edwards, Centre of Excellence-Defence against Terrorism, Ankara, Turkey
Pubbl/distr/stampa	Amsterdam : , : IOS Press, , [2014] ©2014
ISBN	1-61499-357-2
Descrizione fisica	1 online resource (116 p.)
Collana	NATO science for peace and security series. E. Human and societal dynamics, , 1874-6276 ; ; volume 116
Disciplina	005.8
Soggetti	Infrastructure (Economics) Cyberterrorism Computer networks - Security measures Risk assessment Emergency management
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	""CRITICAL INFRASTRUCTURE PROTECTION""; ""Preface""; ""Contents""; ""NATO and Critical Infrastructure Resilience a€? Planning for the Unknown""; ""Introduction""; ""1. Environmental Hazards""; ""2. Industrial Accidents""; ""3. Deliberate sabotage and attack""; ""4. Consequential Sabotage""; ""5. Critical Infrastructure and Cybersecurity""; ""6. The 'Unknown Unknowns"""; ""Conclusion""; ""Bibliography""; ""Critical Infrastructure Protection: The EU Perspective""; ""Introduction""; ""1. Background""; ""2. State of Play at the EU Level Regarding CIP""; ""3. Main Features of EPCIP"" ""4. The Way Ahead: What's Next in 2012""""Conclusion""; ""Leveraging Partnerships to Better Utilize Declining Resources: The Critical Infrastructure Risk Management Enhancement Initiative""; ""Introduction""; ""1. The Current Challenge""; ""2. The Current Environment for Critical Infrastructure Protection and Resilience""; ""3. The Critical Infrastructure Risk Management Enhancement Initiative (CIRMEI)""; ""4. Managing Risk""; ""5. DHS Critical Infrastructure Regional Initiative""; ""6. CIRMEI in Practice""

""7. Responding to the Findings: Regional Resiliency Assessment Program (RRAP) as a Case Study""""8. Tapping the International Community""; ""Conclusion""; ""Bibliography""; ""Critical Infrastructure Protection in a Post-9/11 World""; ""Introduction""; ""1. What Threatens Critical Infrastructure?""; ""2. Post 9/11 CIP a€? A Case Study""; ""Conclusion""; ""Bibliography""; ""Practical Issues Facing Businesses in the Implementation of Critical Infrastructure Protection""; ""Introduction""; ""1. Implementing CIP Protection in Business""; ""2. The Government Dilemma""
""3. Private-Public Partnerships""""Conclusion""; ""Critical Infrastructure and Its Impact on Energy Security""; ""Introduction""; ""1. Definition: What does Energy Security Mean?""; ""2. Maximizing Energy Security""; ""Conclusion""; ""Bibliography""; ""Threats to Energy Resources and Infrastructure""; ""Introduction""; ""1. Cyberattack""; ""2. Conventional Warfare""; ""3. Unconventional Warfare""; ""4. Criminal Activity""; ""Conclusion""; ""Bibliography""; ""ANNEX A""; ""Assessing the Terrorist Threat to Critical Energy Infrastructure and Vulnerabilities""; ""Needs and Options for Response""
""Opportunities for International Cooperation""""Conclusion""; ""Protecting Pipelines - BTC as a Case Study""; ""Introduction""; ""1. Critical Energy Infrastructure Security""; ""2. Pipelines in Turkey""; ""3. Security Threats against Pipelines""; ""4. BTCa€?s Holistic Security Strategy""; ""5. The Way Forward""; ""Conclusion""; ""Bibliography""; ""An Analysis of a Cyberattack on a Nuclear Plant: The STUXNET Worm""; ""Introduction""; ""1. A History of Malware""; ""2. The STUXNET Worm""; ""3. The Impact of STUXNET""; ""Conclusion""; ""Bibliography""
""Strategies to Counter Cyberattacks: Cyberthreats and Critical Infrastructure Protection""

Sommario/riassunto

The issue of protecting essential infrastructure against the threat of terrorist attack is one which continues to concern governments worldwide. But terrorism is not the only threat this infrastructure may face: environmental hazards, industrial accidents and sabotage are also major concerns. Protecting critical infrastructure is expensive, but many of the solutions apply whatever the cause of the problem, and in these days of scarce resources, multi-sector or multi-threat solutions are preferred. This book presents the proceedings of the NATO Centre of Excellence - Defence against Terrorism
