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Nota di contenuto	On the "influence of scenarios to priorities" in risk and security programs / Heimir Thorisson, James H. Lambert -- Survey of risk analytic guidelines across the government / Isaac Maya, Lily Doyle, Amelia Liu, Francine Tran, Robert Creighton, Charles Woo -- An overview of risk modeling methods and approaches for national security / Samrat Chatterjee, Robert T. Brigantic, Angela M. Waterworth -- Comparative risk rankings in support of homeland security strategic plans / Russell Lundberg -- A data science workflow for discovering spatial patterns among terrorist attacks and infrastructure / Daniel Fortin, Thomas Johansen, Samrat Chatterjee, George Muller, Christine Noonan -- Effects of credibility of retaliation threats in deterring smuggling of nuclear weapons / Xiaojun Shan, Jun Zhuang -- Disutility of mass relocation after a severe nuclear accident / Vicki M. Bier, Shuji Liu -- Scheduling federal air marshals under uncertainty / Keith W. DeGregory, Rajesh Ganesan -- Decision theory for network security : active sensing for detection and prevention of data exfiltration / Sara M. McCarthy, Arunesh Sinha, Milind Tambe, Pratyusa Manadhatha -- Measurement of cyber resilience from an economic perspective / Adam Z. Rose, Noah Miller -- Responses to cyber near-misses : a scale to measure individual differences / Jinshu Cui, Heather Rosoff, Richard S.

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Sommario/riassunto

"Risk analysis is the process of defining and analyzing various dangers to individuals, businesses, and government agencies posed by potential adverse events. Risk analysis is often divided into two parts: risk assessment, which includes identifying, evaluating, and measuring the probability and severity of risks; and risk management, which involves deciding what to do about the risks. In the context of government agencies, defending a country against threats raises new challenges and opportunities for risk analysis. It is both vital and challenging to effectively assess and manage risks to national security, and as such, government agencies require cutting-edge risk analytic techniques to inform a range of prioritization, strategy, and policy decisions"--