Advances in Terrorism Risk Analysis

A Special Issue from Wiley's journal Risk Analysis

Defending a country against terrorist threats raises new challenges and opportunities for risk analysis, different from those that are familiar from risk analysis of natural disasters and complex technological systems. Terrorists can be informed, deceived, deterred, or distracted - options that are not available for managing the risks from hurricanes or unreliable systems and workers.

A special issue of Risk Analysis: An International Journal examines recent progress in understanding, modeling, and managing the threats from terrorism, emphasizing some of the most useful and important papers on this subject published in the journal over the past five years. The special Issue from Risk Analysis features 25 articles on Advances in Terrorism Risk Analysis, all free online. The table of contents is available below and [online](https://www.git-security.com).

Read the full Introduction to the Special Issue here.

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- Choosing What to Protect [Vicki M. Bier](https://www.git-security.com)
- Some Limitations of "Risk = Threat × Vulnerability × Consequence" for Risk Analysis of Terrorist Attacks [Louis Anthony (Tony) Cox, Jr](https://www.git-security.com)
- Optimal Resource Allocation for Defense of Targets Based on Differing Measures of Attractiveness [Vicki M.](https://www.git-security.com)
PART 2. PREVENTING ATTACKS

• Modeling Values for Anti-Terrorism Analysis Ralph L. Keeney
• Identifying and Structuring the Objectives of Terrorists Gregory L. Keeney, Detlof Von Winterfeldt
• A Value Model for Evaluating Homeland Security Decisions Ralph L. Keeney, Detlof von Winterfeldt

PART 3. COPING WITH ATTACKS IN THE SHORT AND LONG RUNS: EX-POST RISK MANAGEMENT

• Adaptive Management: A Paradigm for Remediation of Public Facilities Following a Terrorist Attack Jeffrey J. Whicker, David R. Janecky, Ted B. Doerr
• Analyzing Evacuation Versus Shelter-in-Place Strategies After a Terrorist Nuclear Detonation Lawrence M. Wein, Youngsoo Choi, Sylvie Denuit
PART 4. APPLICATIONS

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• A Risk and Economic Analysis of Dirty Bomb Attacks on the Ports of Los Angeles and Long Beach *H. Rosoff, D. Von Winterfeldt*

• Optimal Stopping Analysis of a Radiation Detection System to Protect Cities from a Nuclear Terrorist Attack
  *Michael P. Atkinson, Zheng Cao, Lawrence M. Wein*

• Risk-Management and Risk-Analysis-Based Decision Tools for Attacks on Electric Power *Jeffrey S. Simonoff, Carlos E. Restrepo, Rae Zimmerman*

• Risk-Based Decision Support Tools: Protecting Rail-Centered Transit Corridors from Cascading Effects *Greenberg M, Lowrie K, Mayer H, Altiok T*
  (Forthcoming)

• Modeling the Public Health System Response to a Terrorist Event in the Food Supply *Emma Hartnett, Gregory M. Paoli, Donald W. Schaffner*

• Ranking the Risks from Multiple Hazards in a Small Community *Hua Li, George E. Apostolakis, Joseph Gifun, William VanSchalkwyk, Susan Leite, David Barber*

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