Forecasting and Managing Risk in the Health and Safety Sectors
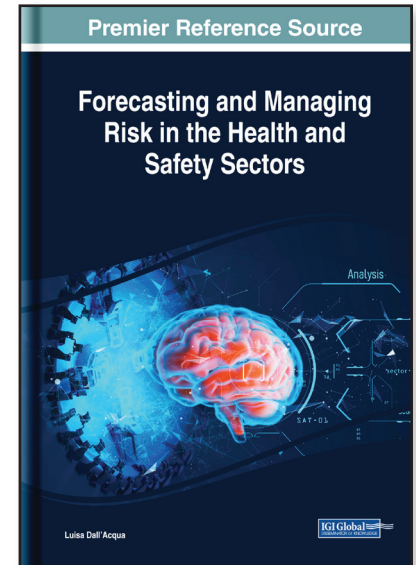
Part of the Advances in Human Services and Public Health Book Series

Luisa Dall'Acqua (Scientific Lyceum TCO, Italy & University of Bologna, Italy)

Premier Reference Source

Forecasting and Managing Risk in the Health and Safety Sectors

Analysis

Luisa Dall'Acqua

IGI Global

Description:

Forecasting new and emerging risks associated with new technologies is a hard and provocative challenge. A wide range of new and modified materials are being made available, and many of these have unknown consequences including nanomaterials, composites, biomaterials, and biocybernetics. Additionally, the greater complexity of man-machine processes and interfaces, the introduction of collaborative robots, and the excessive dependence on computers, as in the case of unmanned vehicles in transportation, could trigger new risks.

Forecasting and Managing Risk in the Health and Safety Sectors is an essential reference source that combines theoretical underpinnings with practical relevance in order to introduce training activities to manage uncertainty and risks consequent to emerging technologies. Featuring research on topics such as energy policy, green management, and intelligence cycle, this book is ideally designed for government officials, managers, policymakers, researchers, lecturers, advanced students, and professionals.

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Topics Covered:

- Analytical Tools
- Artificial Intelligence
- Augmented Reality
- Computational Models and Simulations
- Decision Making
- Energy Policy
- Environment Safeguard
- Green Management
- Intelligence Cycle
- Predictable Outcomes
- Risk Management
- System Dynamics
- Virtual Reality Tools

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