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Descrizione fisica	1 online resource (298 p.)
Collana	Lecture Notes in Social Networks, , 2190-5428
Disciplina	005.8
Soggetti	Physics Application software Criminology Game theory System safety Applications of Graph Theory and Complex Networks Computer Appl. in Social and Behavioral Sciences Criminology and Criminal Justice, general Game Theory, Economics, Social and Behav. Sciences Security Science and Technology
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 at the end of each chapters.
Nota di contenuto	Network Analysis in Criminal Intelligence -- Identifying mafia Bosses from Meeting Attendance -- Macrosocial Network Analysis: the Case of Transnational Drug Trafficking -- Policing the Hackers by Hacking them: Studying Online Deviants in IRC Chat Rooms -- Why Terror Networks are Dissimilar: How Structure Relates to Functions -- Social Network Analysis Applied to Criminal Networks: Recent Developments in Dutch Law Enforcement -- The Networked Mind- Collective Identities and the Cognitive-Affective Nature of Conflict -- Conflict Cessation and the Emergence of Weapons Supermarkets -- A Conspiracy of Bastards? -- Decision Support through Strongest Path Method Risk Analysis -- Critical Infrastructure and Vulnerability- a Relational Analysis through Actor Network Theory -- Dealing with Complexity: Thinking about Networks and the Comprehensive Approach.

Networks and Network Analysis for Defence and Security discusses relevant theoretical frameworks and applications of network analysis in support of the defence and security domains. This book details real world applications of network analysis to support defence and security. Shocks to regional, national and global systems stemming from natural hazards, acts of armed violence, terrorism and serious and organized crime have significant defence and security implications. Today, nations face an uncertain and complex security landscape in which threats impact/target the physical, social, economic and cyber domains. Threats to national security, such as that against critical infrastructures not only stem from man-made acts but also from natural hazards. Katrina (2005), Fukushima (2011) and Hurricane Sandy (2012) are examples highlighting the vulnerability of critical infrastructures to natural hazards and the crippling effect they have on the social and economic well-being of a community and a nation. With this dynamic and complex threat landscape, network analysis has emerged as a key enabler in supporting defence and security. With the advent of 'big data' and increasing processing power, network analysis can reveal insights with regards to structural and dynamic properties thereby facilitating greater understanding of complex networks, their entities, interdependencies, vulnerabilities to produce insights for creative solutions. This book will be well positioned to inform defence, security and intelligence professionals and researchers with regards to leading methodologies and approaches.

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