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   Nota di contenuto   Introduction -- Part 1: Cyber Crime, Cyber Terrorism and Cyber
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                        Methodological approaches to border security -- Integrated platforms
                        for border security management -- Part 3 Serious and Organized Crime
                        (SOC) -- Data Integration for combating SOC -- Big Data Analytics in
                        context of SOC -- Data Visualisation and pattern matching -- AI and
                        SOC -- Part 4: Protection of Critical Infrastructures (CI) -- Cyber and
                        System security for protection of CI -- Physical security of CI -- Role of
                        UAVs in protection of CI -- Case studies in protection of CI -- Part 5:
                        Disaster and Crisis management -- First responders technology --
                        Crisis management -- Disaster management and Resilience
                        strengthening technologies -- Conclusion.

   Sommario/riassunto   This volume is authored by a mix of global contributors from across
                        the landscape of academia, research institutions, police organizations,
                        and experts in security policy and private industry to address some of
                        the most contemporary challenges within the global security domain.

The latter includes protection of critical infrastructures (CI), counter-terrorism, application of dark web, and analysis of a large volume of artificial intelligence data, cybercrime, serious and organised crime, border surveillance, and management of disasters and crises. This title explores various application scenarios of advanced ICT in the context of cybercrime, border security and crisis management, serious and organised crime, and protection of critical infrastructures. Readers will benefit from lessons learned from more than 30 large R&D projects within a security context. The book addresses not only theoretical narratives pertinent to the subject but also identifies current challenges and emergingsecurity threats, provides analysis of operational capability gaps, and includes real-world applied solutions. Offers perspectives of R&D contributions to strengthening security potential from a multidisciplinary group of stakeholders from several domains; Addresses a range of security topics seen from the viewpoint of practitioners; Provides an extended collection of results delivered by advanced security research projects. Chapter 11 is available open access under a Creative Commons Attribution 3.0 IGO License via link. springer.com and Chapter 16 is available open access under a Creative Commons Attribution 4.0 International License via link.springer.com.