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Soggetti	Computer security Computer communication systems Computers and civilization Computers Law and legislation Artificial intelligence Data encryption (Computer science) Systems and Data Security Computer Communication Networks Computers and Society Legal Aspects of Computing Artificial Intelligence Cryptology
Lingua di pubblicazione	Inglese
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Livello bibliografico	Monografia
Nota di contenuto	Resilience of Electrical Distribution Systems with Critical Load Prioritization -- Public tolerance levels of transportation resilience: a focus on the Oresund region within the IMPROVER Project -- Towards a Common Vocabulary for Crisis Management Scenarios -- Analysis and Classification of Adaptation Tools for Transport Sector Adaptation Planning -- Timing-based Anomaly Detection in SCADA Networks -- Operational Resilience metrics for a complex electrical networks -- The Influence of Load Characteristics on Early Warning Signs in Power

Systems -- DMA optimal layout for protection of water distribution networks from malicious attack -- Role of urban interactions and damage in seismic resilience of historical centers -- Towards Blockchain-Based Collaborative Intrusion Detection Systems -- Analysis of cybersecurity threats in Industry 4.0: the case of intrusion detection -- De-Synchronisation Attack Modelling in Real-Time Protocols Using Queue Networks: Attacking the ISO/IEC 61850 Substation Automation Protocol -- Assessing Urban Rail Transit Systems Vulnerability: Metrics vs. Interdiction Models -- Automatically Generating Security Models from System Models to Aid in the Evaluation of AMI Deployment Options -- A Gamified Approach to Participatory Modelling of Water System Risks -- Managing gas and electric power network dependencies to secure energy supply: application to the UK system -- What the Stack? On Memory Exploitation and Protection in Resource Constrained Automotive Systems -- Dealing with Functional Safety Requirements for Automotive Systems: A Cyber-Physical-Social Approach -- Side-channel based intrusion detection for industrial control systems -- Security Evaluation of Cyber-Physical Systems using Automatically Generated Attack Trees -- Faulty or Malicious Anchor Detection Criteria for Distance-Based Localization -- One step more : Automatic ICS Protocol Field Analysis -- Motion magnification for urban buildings -- Reputation Systems to Mitigate DoS Attack in Vehicular Network -- On the security of aircraft communication networks.

Sommario/riassunto

This book constitutes revised selected papers from the 12th International Conference on Critical Information Infrastructures Security, CRITIS 201, held in Lucca, Italy, in October 2017. The 21 full papers and 4 short papers presented were carefully reviewed and selected from 63 submissions. They present innovative research and explore new challenges in the field of critical information infrastructures protection (C(I)IP) and deal with multi-disciplinary approaches to relevant C(I)IP problems. .
