

1. Record Nr.	UNISA996546823403316
Titolo	Security and Risk Analysis for Intelligent Edge Computing [[electronic resource]] / / edited by Gautam Srivastava, Uttam Ghosh, Jerry Chun-Wei Lin
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2023
ISBN	3-031-28150-0
Edizione	[1st ed. 2023.]
Descrizione fisica	1 online resource (244 pages)
Collana	Advances in Information Security, , 2512-2193 ; ; 103
Disciplina	005.8
Soggetti	Computer networks Data protection - Law and legislation Machine learning Cryptography Data encryption (Computer science) Computer Communication Networks Privacy Machine Learning Cryptology
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	Chap I Introduction to Cloud/Edge Computing -- Chap II Big Data Analytics and Security over the Cloud: Characteristics, Analytics, Integration and Security -- Chap III Federated Learning enabled Edge computing -- security for Internet of Medical Things: Concepts, Challenges and Open issues -- Chap IV Embedded Edge and Cloud Intelligence -- Chap V The Analysis on Impact of Cyber Security Threats on Smart Grids -- Chap VI Intelligent Intrusion Detection algorithm based on multi-attack for Edge-Assisted Internet of Things -- Chap VII Secure Data Analysis and Data Privacy -- Chap VIII A Novel Trust evaluation and Reputation data Management based Security System Model for Mobile Edge Computing Network -- Chap IX Network Security System in Mobile Edge Computing-to-LoMT Networks using Distributed Approach -- Chap X Wireless and Mobile Security in Edge Computing

-- Chap XI An intelligent facial expression recognizer using modified 1 ResNet-110 using Edge Computing -- Chap XII Blockchain Based Simulated Virtual Machine Placement Hybrid Approach for Decentralized cloud and edge computing environment and Edge Computing.

Sommario/riassunto

This book offers the latest research results in security and privacy for Intelligent Edge Computing Systems. It presents state-of-the art content and provides an in-depth overview of the basic background in this related field. Practical areas in both security and risk analysis are addressed as well as connections directly linked to Edge Computing paradigms. This book also offers an excellent foundation on the fundamental concepts and principles of security, privacy and risk analysis in Edge Computation infrastructures. It guides the reader through the core ideas with relevant ease. Edge Computing has burst onto the computational scene offering key technologies for allowing more flexibility at the edge of networks. As Edge Computing has evolved as well as the need for more in-depth solutions in security, privacy and risk analysis at the edge. This book includes various case studies and applications on Edge Computing. It includes the Internet of Things related areas, such as smart cities, blockchain, mobile networks, federated learning, cryptography and cybersecurity. This book is one of the first reference books covering security and risk analysis in Edge Computing Systems. Researchers and advanced-level students studying or working in Edge Computing and related security fields will find this book useful as a reference. Decision makers, managers and professionals working within these fields will want to purchase this book as well. .
