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Nota di contenuto	Preface -- Contents -- Editors and Contributors -- An RFP Dataset for Real, Fake, and Partially Fake Audio Detection -- 1 Introduction -- 2 The RFP Dataset -- 2.1 Real Audio Collection -- 2.2 Text-to- Speech Audio Generation -- 2.3 Voice Conversion (VC) Audio Generation -- 2.4 Audio with Noise Generation -- 2.5 Partial Fake (PF) Audio Generation -- 3 Dataset Composition -- 3.1 RFP Original Version -- 3.2 RFP Normalised Version -- 4 Experiments -- 4.1 ASVspoof 2021 Baseline -- 4.2 TSSDNet -- 4.3 RawGAT-ST -- 4.4 AASIST -- 5 Experiments Result -- 6 Conclusions and Future Developments -- References -- Evaluating Data Distribution Strategies in Federated Learning: A Trade-Off Analysis Between Privacy and Performance for IoT Security -- 1 Introduction -- 2 Related Works -- 3 IoT Device Security Using Federated Learning -- 3.1 Edge-IIoTset -- 3.2 CICIOT2023 -- 4 Experimentation and Results

Sommario/riassunto

This book is a collection of high-quality peer-reviewed research papers presented at the Ninth International Conference on Cyber-Security, Privacy in Communication Networks (ICCS 2023) held at Cardiff School of Technologies, Cardiff Metropolitan University, Cardiff, UK, during 11–12 December 2023. This book presents recent innovations in the field of cyber-security and privacy in communication networks in addition to cutting edge research in the field of next-generation communication networks.