1. Record Nr. UNISALENTO991000097989707536

Titolo	Lire Dalí / textes réunis par Frédérique Joseph-Lowery
Pubbl/distr/stampa	Lille : Université Charles-de-Gaulle - Lille III, 2001
Descrizione fisica	292 p. : ill. ; 24 cm
Collana	Revue des sciences humaines ; 262
Altri autori (Persone)	Joseph Lowery, Frédériqueauthor
Disciplina	730.92
Soggetti	Dalí, Salvador Dalí, Salvador
Lingua di pubblicazione	Francese
Formato	Materiale a stampa
Livello bibliografico	Monografia

2. Record Nr. UNINA9910865252703321

Autore	Ait Wakrime Abderrahim
Titolo	Risks and Security of Internet and Systems : 18th International Conference, CRiSIS 2023, Rabat, Morocco, December 6–8, 2023, Revised Selected Papers / / edited by Abderrahim Ait Wakrime, Guillermo Navarro-Arribas, Frédéric Cuppens, Nora Cuppens, Redouane Benaini
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	9783031612312 9783031612305
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (294 pages)
Collana	Lecture Notes in Computer Science, , 1611-3349 ; ; 14529
Altri autori (Persone)	Navarro-ArribasGuillermo Cuppensédéric CuppensNora BenainiRedouane
Disciplina	005.8
Soggetti	Data protection Data and Information Security
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa

Livello bibliografico	Monografia
Nota di contenuto	Intro -- Preface -- Organization -- Contents -- Keynote Talks -- A Review of the Progressive Odyssey of AI-Driven Intrusion Detection Within Embedded Systems -- 1 Introduction -- 2 Background -- 3 Review of Recent IDSs for ES -- 3.1 Host-Based IDS -- 3.2 Network-Based IDS -- 4 Current State of IDS in ES -- 5 Key Challenges and Trends in IDS for ES -- 6 Research Gaps and Opportunities -- 7 Conclusion -- References -- Securing Autonomous Vehicles: Fundamentals, Challenges, and Perspectives -- 1 Introduction -- 2 Fundamentals -- 3 Challenges -- 3.1 Modeling and Communication Challenges -- 3.2 Security and Safety Challenges -- 4 Perspectives -- 5 Conclusion -- References -- Towards a B-Method Framework for Smart Contract Verification: The Case of ACTUS Financial Contracts -- 1 Introduction -- 2 Smart Contracts Scalability and the Rationale Behind the FeverTokens Open-Source Package-Oriented Framework -- 3 Overview of the Actus Standard and Financial Contracts -- 4 A Preliminary B-Method Framework for Financial Smart Contracts Under the Actus Standard -- 5 Conclusion and Perspectives -- References -- Security and Transportation Systems -- FERROMOBILE and Security for Low Moment of Traffic Level Crossing -- 1 Introduction -- 2 Objectives of the ``Ferromobile'' Project -- 3 A Solution to Ensure Safe Crossing for ``Ferromobiles'' -- 3.1 Overview of the Global Architecture -- 3.2 Wireless Communication Abilities and Contributions -- 3.3 Cryptography -- 4 Conclusion and Perspectives -- References -- Improvement and Evaluation of Resilience of Adaptive Cruise Control Against Spoofing Attacks Using Intrusion Detection System -- 1 Introduction -- 2 Related Work -- 2.1 Cyber-Attacks on Adaptive Cruise Control -- 2.2 Cyber-Resilience of Adaptive Cruise Control -- 3 Extending Adaptive Cruise Control with ML-Based Intrusion Detection System. 3.1 Overview of the Adaptive Cruise Control -- 3.2 Architecture of the Extended Adaptive Cruise Control -- 4 Evaluation of the ACC-IDS Using CARLA Simulation -- 4.1 Simulation Setup -- 4.2 Result and Analysis of the Simulation Experiments -- 4.3 Impacts and Limitations of the Study -- 5 Conclusion -- References -- A New Efficient PUF-Based Mutual Authentication Scheme for Drones -- 1 Introduction -- 2 Related Work -- 3 Preliminaries -- 4 The Proposed Scheme -- 4.1 System Model -- 4.2 Description of the Proposed Scheme -- 5 Security Analysis -- 5.1 Privacy Model -- 5.2 Formal Security Analysis -- 5.3 Informal Security Analysis -- 6 Practical Results and Comparison -- 7 Conclusion -- References -- Formalizing for Proving the System Safety of the Software Component for a Small Sized Guided Transport System -- 1 Introduction -- 2 Autonomous Train Control -- 3 Railway Signalling Systems -- 3.1 Danger Related to Train Movements -- 3.2 The Protective Safety Distance in an ATP System -- 4 Hybrid System Modeling with Event-B -- 4.1 Event-B Modeling of Hybrid Train Dynamics -- 4.2 Potential Solutions -- 5 Managing Uncertainties of a Real Cyber Physical System -- 5.1 Traction/Brake Control -- 5.2 Previous Step Towards Implementation -- 6 Conclusion -- References -- Blockchain and Distributed Ledger Technologies -- Smart Contracts for a Secure and Privacy-Preserving Smart Grid -- 1 Introduction -- 1.1 Related Work -- 1.2 Contribution and Plan of This Paper -- 2 Architecture and System Overview -- 2.1 General Architecture -- 2.2 Overview of the Proposal -- 3 The Proposed System in Detail -- 3.1 Main Smart Contract -- 3.2 Group Smart Contracts -- 3.3 Initialization

-- 3.4 Price Calculation -- 3.5 Energy Trading -- 3.6 Debt Liquidation -- 4 Dealing with Security and Privacy Threats -- 5 Conclusions and Future Work -- References.
EHRVault: A Secure, Patient-Centric, Privacy-Preserving and Blockchain-Based Platform for EHR Management -- 1 Introduction -- 2 Related Work -- 3 Preliminaries -- 3.1 PHI Standards and Regulations -- 3.2 Security Requirements for Health Data Management -- 3.3 Blockchain Technology -- 3.4 IPFS -- 3.5 Anonymization Technique -- 3.6 Cryptographic Primitives -- 4 EHRVault Platform Description -- 4.1 Architecture -- 4.2 System Functionalities -- 5 Discussion -- 6 Conclusion -- References -- Distributed Transactive Energy Management in Microgrids Based on Blockchain -- 1 Introduction -- 2 Background -- 2.1 Integration of DERs in Microgrids -- 2.2 Blockchain Structure -- 3 Related Work -- 3.1 Blockchain in Energy Trading -- 3.2 Blockchain for Secure Data Exchange, Aggregation, and Privacy -- 3.3 Learned Lessons -- 4 A Distributed Energy Trading Management Framework -- 4.1 Energy System Structure -- 4.2 Blockchain Energy System Structure -- 5 Implementation and Experimental Results -- 5.1 Tool's Implementation -- 5.2 Case Study on a 55 Bus Distribution Network -- 5.3 Results -- 6 Conclusion -- References -- Blockchain-Based Exchange Place: Genericity vs Performance -- 1 Introduction -- 2 Blockchain Based Marketplaces -- 2.1 Blockchain Background -- 2.2 Current Status of Blockchain-Based Marketplace Solutions -- 3 ODEP -- 3.1 Ecosystem and Architecture -- 3.2 On-Chain/Off-Chain Approach -- 4 Implementation -- 4.1 Network Configuration -- 4.2 Smart Contracts Design -- 5 Performance Evaluation -- 5.1 Throughput -- 5.2 Gas Used -- 5.3 Block Size -- 6 Conclusions -- References -- Security Approaches and Infrastructure -- A Privacy-Preserving Infrastructure to Monitor Encrypted DNS Logs -- 1 Introduction and Motivation -- 2 DNS Use Case -- 2.1 Description -- 2.2 Security Properties -- 3 Searchable Encryption -- 4 Application of Searchable Encryption to DNS Logs.
4.1 Studied Schemes -- 4.2 Platform Implementation -- 5 Evaluation -- 5.1 Security -- 5.2 Benchmarking -- 5.3 Discussion About Token Collision -- 5.4 Summary -- 6 Related Work -- 7 Conclusion -- References -- VAE-GAN for Robust IoT Malware Detection and Classification in Intelligent Urban Environments: An Image Analysis Approach -- 1 Introduction -- 2 Related Work -- 3 Methods -- 3.1 Visualisation of Software Characteristics -- 3.2 Generative Attack Network -- 3.3 Generative Models: AE and Variations -- 3.4 Transfer Learning-Based Discriminator -- 4 Experiment and Discussion -- 4.1 Baselines -- 4.2 Reconstruction Results -- 4.3 Classification Results -- 4.4 Discussion: Practicality and Applicability -- 5 Conclusion -- References -- A Novel Software Defined Security Framework for SDN -- 1 Introduction -- 2 Related Work -- 3 Proposed SDS Framework -- 3.1 Architecture -- 3.2 Implementation -- 4 Results and Discussion -- 4.1 Firewall Application -- 4.2 DDoS Detection and Prevention Application -- 5 Conclusion -- References -- A Process-Centric Approach to Insider Threats Identification in Information Systems -- 1 Introduction -- 2 Separation of Concerns -- 2.1 Functional Modeling -- 2.2 Security Modeling -- 3 Dealing with Business Processes -- 3.1 Animation in B4MSecure -- 3.2 A CSPB Approach -- 3.3 Insider Threats Identification -- 4 Related Works -- 5 Conclusion -- References -- Machine Learning and Security -- Deep Learning-Based Outliers Detection in Compressed Trajectories -- 1 Introduction -- 2 Anomalies Detection and Trajectories Compression Algorithms -- 2.1 Anomalies Detection: GM-VSAE and ATD-RNN -- 2.2 Trajectories Compression Algorithms -- 3 Experimental Setup -- 4 Results -- 5 Conclusion -- References --

Experimental Toolkit for Manipulating Executable Packing -- 1 Introduction -- 2 Background -- 3 Toolkit -- 4 Experiments. 4.1 Detectors Performance -- 4.2 Model Training -- 5 Conclusion -- References -- A Collaborative Real-Time Object Detection and Data Association Framework for Autonomous Robots Using Federated Graph Neural Network -- 1 Introduction -- 2 CoRODDA Framework -- 3 Experimental Results -- 3.1 GNN Model Architecture -- 3.2 Enhancements via FL -- 3.3 Integration with YOLOv5 and Performance Insights -- 4 Conclusion -- References -- Author Index.

Sommario/riassunto

This book constitutes the revised selected papers of the 18th International Conference on Risks and Security of Internet and Systems, CRiSIS 2023, which took place in Rabat, Morocco, during December 6–8, 2023. The 13 full papers and 2 short papers included in this volume were carefully reviewed and selected from 25 submissions. The papers detail security issues in internet-related applications, networks and systems. .