

1. Record Nr.	UNINA9910879582003321
Titolo	Recent Challenges in Intelligent Information and Database Systems : 16th Asian Conference on Intelligent Information and Database Systems, ACIIDS 2024, Ras Al Khaimah, UAE, April 15–18, 2024, Proceedings, Part I // edited by Ngoc Thanh Nguyen, Richard Chbeir, Yannis Manolopoulos, Hamido Fujita, Tzung-Pei Hong, Le Minh Nguyen, Krystian Wojtkiewicz
Pubbl/distr/stampa	Singapore : , : Springer Nature Singapore : , : Imprint : Springer, , 2024
ISBN	981-9759-37-4
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (386 pages)
Collana	Communications in Computer and Information Science, , 1865-0937 ; ; 2144
Disciplina	006.3
Soggetti	Artificial intelligence Computer engineering Computer networks Image processing - Digital techniques Computer vision Social sciences - Data processing Artificial Intelligence Computer Engineering and Networks Computer Imaging, Vision, Pattern Recognition and Graphics Computer Communication Networks Computer Application in Social and Behavioral Sciences
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	-- AI-driven Cybersecurity Solutions. -- Security aspects of digital identity. -- Efficient Deep Learning Method For Detection Of Malware Attacks In Internet Of Things Networks. -- A Deep Neural Networks approach for Speaker Verification on Embedded Devices. -- Phishing Detection Using Ensemble of Classifiers. -- An Effective Ensemble Classification Algorithm for Intrusion Detection System. -- Mean-Square Consensus of Second-Order Multi-Agent Systems with Semi-Markov Switching for Non-periodic DoS attacks. -- AI-driven Medical

Analytics. -- An Attention-Driven Hybrid Network for Survival Analysis of Tumorigenesis Patients Using Whole Slide Images. -- A Deep Learning Approach to Diabetes Diagnosis. -- A novel approach for Medical E-Consent: Leveraging Language Models for Informed Consent Management. -- Multi-scale and Multi-level Attention based on External knowledge in EHRs. -- Exploring XAI attention maps to investigate the effect of distance metric and lesion-shaped border expansion size for effective content-based dermatological lesion retrieval. -- D-MiQ: Deep Multimodal Interactive Healthcare Query expansion approach for web search engines retrieval effectiveness. -- Computational Intelligence. -- Complexity of Transforming Decision Rule Systems into Decision Trees and Acyclic Decision Graphs. -- Depth of Deterministic and Nondeterministic Decision Trees for Decision Tables with Many-valued Decisions from Closed Classes. -- Gradient Overdrive: Avoiding Negative Randomness Effects in Stochastic Gradient Descent. -- Blockchain-based Educational Certification Systems Using A Modified Hash Algorithm. -- The Merged Longest Common Increasing Subsequence Problem. -- Applying transformation to reduce model sizes for Constrained Optimization Problems. -- Multiple Traveling Salesman Problem with a Drone Station: Using Multi-Package Payload Compartments. -- Unveiling the power of hybrid balancing techniques and ensemble stacked and blended classifiers for enhanced churn prediction. -- Improvement of a Forward Reasoning Engine FreeEnCal for Trust Reasoning. -- A structure based on B+trees to represent a large number of k-multisets stored in non-volatile memory. -- Optimizing Option Short Strangle Strategies through Genetic Algorithm. -- Data modelling and information systems. -- Optimizing Airline Pilots Training Plans: A Mixed Integer Linear Programming Approach. -- Towards an Ontological Approach for Verifying the Well-Formedness of Training Programs. -- Novel Knowledge Graph-Based Modeling for Vulnerability Detection in the Internet of Medical Things. -- Functional test generation based on requirements defined at GUI level. -- Penetration Testing and Security Assessment Model for Biomedical Devices. -- Cooperative User Interface for AGV – Proof of Concept.

Sommario/riassunto

This book constitutes the proceedings of the 16th Asian Conference on Intelligent Information and Database Systems, ACIIDS 2024, held in Ras Al Khaimah, UAE, during April 15–18, 2024. The 58 full papers are presented in this book were carefully reviewed and selected from 251 submissions. They are organized in topical sections as follows: Part One: AI-driven Cybersecurity Solutions; AI-driven Medical Analytics; Computational Intelligence; and Data Modelling and Information Systems. Part Two: Image and Video Processing; Prediction and Recommendation Systems; and Text, Speech and Natural Language Processing.
