

1. Record Nr.	UNINA9910847594403321
Autore	Barolli Leonard
Titolo	Advanced Information Networking and Applications : Proceedings of the 38th International Conference on Advanced Information Networking and Applications (AINA-2024), Volume 5 // edited by Leonard Barolli
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2024
ISBN	3-031-57931-3
Edizione	[1st ed. 2024.]
Descrizione fisica	1 online resource (539 pages)
Collana	Lecture Notes on Data Engineering and Communications Technologies, , 2367-4520 ; ; 203
Disciplina	620.00285
Soggetti	Engineering - Data processing Computational intelligence Artificial intelligence Data Engineering Computational Intelligence Artificial Intelligence
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Application of Soft Computing Techniques for Clustering in VANETs: A Survey -- EarlyStage Diabetes Risk Detection Using Comparison Of Xgboost, Lightgbm, And Catboost Algorithms -- Blockchain Based Artificial Intelligence of Things (AIoT) for Wildlife Monitoring -- Research on Screw Detection Using Artificial Intelligence Technology -- An Efficient Method for Lung Cancer Image Segmentation and Nodule Type Classification Using Deep Learning Algorithms -- Targeted and Automatic Deep Neural Networks Optimization for Edge Computing -- Edge to Cloud Network Function Offloading in the ADAPTO Framework -- DEFEDGE: Threat-driven Security Testing and Proactive Defense Identification for Edge-Cloud Systems -- Swarmchestrates: Towards a Fully Decentralised Framework for Orchestrating Applications in the Cloud-to-Edge Continuum -- REDRAW: FedeRatED leaRning for humAn Wellbeing -- Greening AI: A Framework for Energy-Aware Resource Allocation of ML Training Jobs with Performance Guarantees -- Optimization of University Services through Cloud-Edge Integration:

Study of a use case at the University of Naples Federico II -- Distributed Collaborative AR on Cloud Continuum: a Case Study for Cultural Heritage -- Survey on Reference Architecture for Cloud Continuum and Multi-Access Edge Computing (MEC) in 5G Networks -- Elastic Autoscaling for Distributed Workflows in MEC Networks.

---

Sommario/riassunto

This book covers the theory, design and applications of computer networks, distributed computing and information systems. Networks of today are going through a rapid evolution and there are many emerging areas of information networking and their applications. Heterogeneous networking supported by recent technological advances in low-power wireless communications along with silicon integration of various functionalities such as sensing, communications, intelligence and actuations is emerging as a critically important disruptive computer class based on a new platform, networking structure and interface that enable novel, low-cost and high-volume applications. Several such applications have been difficult to realize because of many interconnection problems. To fulfill their large range of applications, different kinds of networks need to collaborate and wired and next-generation wireless systems should be integrated in order to develop high-performance computing solutions to problems arising from the complexities of these networks. This book aims to provide the latest research findings, innovative research results, methods and development techniques from both theoretical and practical perspectives related to the emerging areas of information networking and applications.

---