

1. Record Nr.	UNINA9911011343303321
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Titolo	Algorithmic Aspects of Cloud Computing : 9th International Symposium, ALGOCLOUD 2024, London, UK, September 2–3, 2024, Revised Selected Papers / / edited by Katerina Doka, Eirini Eleni Tsiroupolou
Pubbl/distr/stampa	Cham : , : Springer Nature Switzerland : , : Imprint : Springer, , 2025
ISBN	3-031-94677-4
Edizione	[1st ed. 2025.]
Descrizione fisica	1 online resource (229 pages)
Collana	Lecture Notes in Computer Science, , 1611-3349 ; ; 15455
Altri autori (Persone)	TsiropoulouEirini Eleni
Disciplina	004.0151
Soggetti	Computer science Computer networks Computers, Special purpose Data structures (Computer science) Information theory Application software Computer systems Theory of Computation Computer Communication Networks Special Purpose and Application-Based Systems Data Structures and Information Theory Computer and Information Systems Applications Computer System Implementation
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	-- ALGOCLOUD 2024. -- Innovating Medical Record Keeping with Blockchain, RSA-Encrypted NFTs, and Smart Contracts. -- Towards 2-Resilient Local Failover in Destination-Based Routing. -- Dynamic Accountable Storage: An Efficient Protocol for Real-time Cloud Storage Auditing. -- Achieving Processing Balance in LoRaWAN Using Multiple Edge Gateways. -- Optimizing resource-constrained distance matching for cloud based systems. -- Edge-based Federated Learning Methods for Remaining Useful Life Estimation in IIoT. -- Degree

Distribution Optimization in Historical Graphs. -- Leveraging Apache Spark for Appliance-Level Load Monitoring with Ensemble Learning Techniques. -- QuantuML: Machine Learning Algorithms and K-means on Quantum Cloud offering. -- Outsourced Distributed Computation with PROOF. -- ALGOCLOUD 2022. -- Edge-Enabled Machine Learning for Solar Power Production Forecasting.

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#### Sommario/riassunto

This book constitutes the refereed proceedings of the 9th International Symposium on Algorithmic Aspects of Cloud Computing, ALGOCLOUD 2024, held in London, UK, during September 2024. The 9 full papers and 1 short paper presented here were carefully reviewed and selected from 18 submissions. They focus on various topics in the emerging area of algorithmic aspects of Computing and data management in modern Cloud-based systems.

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