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Titolo	Distributed Applications and Interoperable Systems : 20th IFIP WG 6.1 International Conference, DAIS 2020, Held as Part of the 15th International Federated Conference on Distributed Computing Techniques, DisCoTec 2020, Valletta, Malta, June 15–19, 2020, Proceedings // edited by Anne Remke, Valerio Schiavoni
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Descrizione fisica	1 online resource (209 pages) : illustrations
Collana	Computer Communication Networks and Telecommunications, , 2945-9184 ; ; 12135
Disciplina	004.36
Soggetti	Computer networks Software engineering Computers, Special purpose Computers Data structures (Computer science) Information theory Computer Communication Networks Software Engineering Special Purpose and Application-Based Systems Computing Milieux Data Structures and Information Theory
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Privacy and Security -- On the trade-offs of Combining Multiple Secure Processing Primitives for Data Analytics -- Capturing Privacy-preserving User Contexts with IndoorHash -- Cloud and Systems -- Towards Hypervisor Support for Enhancing the Performance of Virtual Machine Introspection -- Fed-DIC: Diagonally Interleaved Coding in a Federated Cloud Environment -- TailX: Scheduling Heterogeneous Multiget Queries to Improve Tail Latencies in Key-Value Stores -- Fault-tolerance and Reproducibility -- Towards a Polyglot Data Access

Layer for a Low-Code Application Development Platform (Experience Report) -- A Comparison of Message Exchange Patterns in BFT Protocols (Experience Report) -- Kollaps/Thunderstorm: Reproducible Evaluation of Distributed Systems -- Machine Learning for Systems -- Self-Tunable DBMS Replication with Reinforcement Learning) -- DroidAutoML: A Microservice Architecture to Automate the Evaluation of Android Machine Learning Detection Systems -- Distributed Algorithms -- A Resource Usage Efficient Distributed Allocation Algorithm for 5G Service Function Chains -- A Stabilizing One-To-Many Node-Disjoint paths Routing Algorithm in Star Networks.

Sommario/riassunto

This book constitutes the proceedings of the 20th IFIP International Conference on Distributed Applications and Interoperable Systems, DAIS 2020, which was supposed to be held in Valletta, Malta, in June 2020, as part of the 15th International Federated Conference on Distributed Computing Techniques, DisCoTec 2020. The conference was held virtually due to the COVID-19 pandemic. The 10 full papers presented together with 1 short paper and 1 invited paper were carefully reviewed and selected from 17 submissions. The papers addressed challenges in multiple application areas, such as privacy and security, cloud and systems, fault-tolerance and reproducibility, machine learning for systems, and distributed algorithms.
