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Nota di contenuto	-- Cloud Computing. -- Cost-Aware Dynamic Cloud Workflow Scheduling using Self-Attention and Evolutionary Reinforcement Learning. -- LARE-HPA: Co-optimizing Latency and Resource Efficiency for Horizontal Pod Autoscaling in Kubernetes. -- STORELESS: Serverless workflow scheduling with federated storage in sky computing. -- Not Best but Fair: Achieving a Fair Service Deployment through Sky Computing for Latency-Sensitive Applications. -- QoS and SLA. -- Integrated QoS- and Vulnerability-driven Self-Adaptation for Microservices Applications. -- SLO-Aware Task Offloading within Collaborative Vehicle Platoons. -- Client-Specific Homogeneous Service Composition at Runtime for QoS-Critical Tasks. -- Network

SLO-Aware Container Orchestration on Kubernetes Clusters. -- Microservice. -- CSMO: The Cross-Supervision Method for Microservice Optimization through Decentralized Data Management. -- BOAM: a Business-Oriented identification Approach of Microservices within legacy systems. -- Motif-based Linearizing Graph Transformer for Web API Recommendation. -- Leveraging a Microservice Architecture, Access Control and Interoperability Patterns to Manage Privacy-related User Consents. -- Service recommendation. , - Deep Reinforcement Learning Approach for Explainable Location-based service Recommendation. -- A Toolchain for Checking Domain- and Model-driven Properties of Jolie Microservices. -- GSL-Mash: Enhancing Mashup Creation Service Recommendations through Graph Structure Learning. -- Emerging technologies and approaches. -- Circuit scheduling policies on current QPUs: QCRAFT Scheduler. -- MuSS: Multimodal Satellite Service for Unsupervised Land-Cover Classification. -- HSC: An Artificial Intelligence Service Composition Dataset from Hugging Face. -- Service composition. -- Choreography-Defined Network - A Case Study in DoS Mitigation. -- Racing the Market: An Industry Support Analysis for Pricing-Driven DevOps in SaaS. -- Compositio Prompto: An Architecture to Employ Large Language Models in Automated Service Computing. -- Composing Smart Data Services in Shop Floors through Large Language Models. -- Blockchain. -- A query language to enhance security and privacy of Blockchain as a Service (BaaS). -- Blockchain Based Efficient Pairing-Free Certificateless Authentication Scheme for Vehicular Ad-hoc Network. -- A Blockchain-Enhanced Framework for Privacy and Data Integrity in Crowdsourced Drone Services. -- Towards an Automated Verification Approach for ERC-based Smart Contracts. -- Industry Papers. -- Weather-Conditioned Multi-Graph Network for Ride-Hailing Demand Forecasting. -- BIS: NL2SQL Service Evaluation Benchmark for BI Scenarios. -- How Do Infrastructure-as-Code Practitioners Update their Provider Dependencies? An Empirical Study on the AWS Provider.

Sommario/riassunto

The two-volume set LNCS 15404 and 15405 constitutes the refereed proceedings of the 22nd International Conference on Service-Oriented Computing, ICSOC 2024, held in Tunis, Tunisia, during December 3–6, 2024. The 38 full papers and 19 short papers presented in these proceedings were carefully reviewed and selected from 255 submissions. The papers are organized in the following topical sections: Part I: Edge and IoT; Generative AI; Service Security and Privacy; and Processes and Workflows. Part II: Cloud Computing; QoS and SLA; Microservice; Service Recommendation; Emerging Technologies and Approaches; Service Composition; Blockchain; and Industry Papers.
