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Nota di contenuto	-- Workshop on Adaptive Service-oriented and Cloud Applications. -- Towards the interoperability of port Digital Twin systems through ontologies alignment. -- Architecture Mining approach for Systems-of-Systems : Monitoring and Discovery. -- Self-adaptation in Microservice Systems: A Literature Review. -- Expressing Variability in Requirements Specification for Adaptive Dynamic Systems. -- Workshop on AI-enabled Process Automation. -- Predictive Process Monitoring Using Object-centric Graph Embeddings. -- InferNet: Next Likely Action Prediction in Business Processes. -- Activity Instance Identification using Bipartite Graph Matching. -- Causally-informed predictive process monitoring. -- CDL+: An Extended Capability Description Language Design For Medical Data-Driven Process. -- Exploring the Systematic Use of LLMs for Microservices Generation. -- Workshop on Engineering Service-Oriented Applications and Cloud Services. -- LLM-Based DAG Creation for Data Enrichment Pipelines in SemT Framework. -- SaaS Pricing-Aware Demand and Capacity Management. -- Towards Effective SaaS Pricing Design: A Case Study of CCSIM. -- Enhancing Federated Learning with SOA: An Approach to Tackle Non-IID Data Challenges. -- Externalized and Decentralized Authorization of Microservices. -- Decoding the privacy policy implications of personal data processing: A framework for GDPR Compliance in Business and Social apps. -- Workshop on Generative AI as a Software Service. -- Generative AI for Software Development: A Survey. -- Aligning Declarations and Practices: Evaluating Privacy Policy Consistency with App Permissions using Generative AI. -- Workshop on Lightweight AI-based Services. -- Urban Sound Classification on Resource-constrained Edge Devices. -- Lightweight AI-Driven Real-Time Intruder Detection System for IoT-Enabled Smart Meters. -- Knowledge Distillation for Object Detection Using YOLO-NAS. -- Knowledge Distillation: A Key Approach For Lightweight Deep Generative Models. -- Random Forest Based Fast MTS Algorithm for VVC Encoder. -- Workshop on Optimising AI Models Using Local Data on Resource-Constrained Edge Devices - Training & Inference. -- Reinforcement Learning Challenges in Power Grid Management: A Case Study with City Learn Simulator. -- Visual Anomaly Detection In Modern Industrial Manufacturing Systems: Survey, Challenges and Future Directions. -- LLM Non-text-focused Data Generation for Payroll Fraud Detection. -- Workshop on RealTime Service oriented and EMbedded Systems. -- Task scheduling for container orchestration of Kubernetes in distributed systems development.
Sommario/riassunto	This two-volume set volume constitutes the papers of ten workshops which were held in conjunction with the 22nd International Conference on Service-Oriented Computing, ICSOC 2024. The conference took place in Tunis, Tunisia, during December 3–6, 2024. The 58 full papers and 3 short papers presented in this book were carefully reviewed and selected from 109 submissions. ICSOC 2024 presents the following ten workshops: – 9th International Workshop on Adaptive Service-oriented and Cloud Applications (ASOCA) – 5th International Workshop on AI-enabled Process Automation (AI-PA) – 20th International Workshop on Engineering Service-Oriented Applications and Cloud Services (WESOACS) – 1st International Workshop on Generative AI as a Software Service (GAISS) – 1st International Workshop on Lightweight AI-based Services (LAIS) – 1st International Workshop on Optimising AI Models Using Local Data on Resource-Constrained Edge Devices - Training \& Inference (AI on Edge) – 1st International Workshop on RealTime Service oriented and EMbedded Systems (RTSEMS) – 2nd International Workshop on Services and Quantum Software (SQS) – 1st International Workshop on Service-Oriented Computing, AI, and IoT for Smart