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Nota di contenuto	-- Workshop on Services and Quantum Software. -- Hybrid (Quantum-Classical) Service Applications Deployment Configuration System. -- Generating property-based tests for quantum algorithms. -- Q-TEE: A Service-Oriented Tool for Assessing the Trainability and Expressivity of Variational Quantum Circuits. -- Workshop on Service-Oriented Computing, AI, and IoT for Smart Applications. -- A utility-based approach for adaptation decisions in Smart systems. -- On the Application of Convolutional Neural Networks for the Precision Segmentation of Agronomic Entities: A Comprehensive Study of Crop and Weed Taxonomic Segregation. -- Towards automatic smart contract generation: Application in Agriculture. -- Guided Response Generation for Conversational Recommender Systems. -- Deep Learning Techniques for Automatic Seizure Detection in Epilepsy. -- NLP Combined with Bi-LSTM Classifier based Intent Detection Algorithm for Smart House Control using WhatsApp Message. -- Workshop on Service-Oriented Computing for AI Applications. -- UEwMT: Leveraging User Experience and Deep Learning-driven Methodology for Evaluating Machine Translation Services. -- SaaS Subscription Resource Usage: A Machine Learning Approach. -- From Static to Intelligent: Evolving SaaS Pricing with LLMs. -- Applying LLMOps to Support the Automatic Analysis of Customer Agreements. -- Ph.D. Symposium. -- A Service-Oriented Framework for Resource-Aware System-of-Systems Modeling in IoT Environments. -- An Overview of a Hybrid Recommendation System for ADAS Using the MAPE-K Approach. -- A framework for the automatic conversion of text into sign language. -- Smart Contract Automation: Solutions for Agriculture. -- Impact of textual (dis)similarities of Bug Report Sections on Duplicate Bug Report Detection Performance. -- Self-adaptation in Microservice Systems: A Dynamic Software Product Line Approach. -- Comprehensive Overview: Ethereum Smart Contract Security Testing for Reentrancy Issues. -- Log Analysis with Interpretability and Usability. -- Towards a Classification of Edge Service Orchestration Strategies Integrating Renewable Energy. -- Accountability of Robust and Reliable AI-Enabled Systems: A Preliminary Study and Roadmap. -- Causality-Based Service Adaptations for Elastic Computing Continuum Systems. -- DYNAMIC blockchain-based ACCESS CONTROL FOR INTERNET OF THINGS. -- Demos and Resources. -- TraSSI: A Confidential Traceability System for Self-Sovereign Identity-based Processes. -- Scalable and Cost-Efficient ML Inference: Parallel Batch Processing with Serverless Functions. -- A LLMs-based Procuratorial Service for Detecting Drug Trafficking on Digital Forensics Data. -- OAS-Telemetry - A Telemetry Framework for Microservices in the Cloud Continuum. -- A Running Prototype for Dynamic QoS Management in Cloud Continuum. -- EduCheck: Ensuring Diploma Authenticity using Blockchain technology. -- Tutorials. -- Third-Party Software Libraries: From Integration to Transition. -- Extract Method Refactoring: Challenges, Opportunities and Applications. -- AI-Based Effective Publish-Subscribe for Industrial Internet of Things.
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 Applications (SOCAISA) – 1st International Workshop on Service-Oriented Computing for AI Applications (SOC4AI).