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Collana	Information Systems and Applications, incl. Internet/Web, and HCI ; ; 12127
Disciplina	005.1
Soggetti	Application software Artificial intelligence Software engineering E-commerce Management information systems Industrial management Information Systems Applications (incl. Internet) Artificial Intelligence Software Engineering e-Commerce/e-business Business Process Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Distributed Applications -- Remodularization Analysis for Microservice Discovery Using Syntactic and Semantic Clustering -- Decentralized Cross-Organizational Application Deployment Automation: An Approach for Generating Deployment Choreographies Based on Declarative Deployment Models -- Modeling and Analyzing Architectural Diversity of Open Platforms -- Co-destruction Patterns in Crowdsourcing -- Information Systems Engineering with Digital Shadows: Concept and Case Studies -- Model-Driven Development of a Digital Twin for Injection Molding -- SloTPredict: A Framework for

Predicting Relationships in the Social Internet of Things -- -MERODE: A Model-Driven Engineering and Artifact-Centric Approach to Generate Blockchain-Based Information Systems -- Smart Contract Invocation Protocol (SCIP): A Protocol for the Uniform Integration of Heterogenous Blockchain Smart Contracts -- AI and Big Data in IS -- A System Framework for Personalized and Transparent Data-Driven Decisions -- Online Reinforcement Learning for Self-Adaptive Information Systems -- Aspect Term Extraction using Deep Learning Modle with Minimal Feature Engineering -- State Machine based Human-Bot Conversatoin Model and Services -- Process Mining and Analysis -- Stochastic-Aware Conformance Checking: An Entropy-Based Approach -- Conformance Checking Approximation using Subset Selection and Edit Distance -- Quantifying the Re-identification Risk of Event Logs for Process Mining -- An Approach for Process Model Extraction by Multi-Grained Text Classification -- LoGo: Combining Local and Global Techniques for Predictive Business Process Monitoring -- Business Process Variant Analysis based on Mutual Fingerprints of Event Logs -- DeepAlign: Alignment-based Process Anomaly Correction using Recurrent Neural Networks -- Workforce Upskilling: a History-Based Approach for Recommending Unfamiliar Process Activities -- Requirements and Modeling -- Evaluating the Benefits of Model-Driven Development -- Workarounds in Business Processes: a Goal-based Analysis -- Digging into Business Process Meta-models: A First Ontological Analysis -- Minign User Opinions to Support Requirement Engineering: An Empirical Study -- Designing Patterns for Certification Standards -- Information Extraction and Graph Representation for the Design of Formulated Products -- Information Systems Engineering -- Resource-based Adaptive Robotic Process Automation -- A Variability-Driven Analysis Method for Automatic Extraction of Domain Behaviors -- Mutation Operators for Large Scale Data Processing Programs in Spark -- Recommendation for Evolving Relational Databases -- A Combined Method for Usage of NLP Libraries towards Analyzing Software Documents -- Query-based Metrics for Evaluating and Comparing Document Schemas -- Invited Keynote -- Data Sovereignty and the Internet of Production.

Sommario/riassunto

This book constitutes the refereed proceedings of the 32nd International Conference on Advanced Information Systems Engineering, CAiSE 2020, held in Grenoble, France, in June 2020.* The 33 full papers presented in this volume were carefully reviewed and selected from 185 submissions. The book also contains one invited talk in full paper length. The papers were organized in topical sections named: distributed applications; AI and big data in IS; process mining and analysis; requirements and modeling; and information systems engineering. Abstracts on the CAiSE 2020 tutorials can be found in the back matter of the volume. *The conference was held virtually due to the COVID-19 pandemic.
