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Nota di bibliografia	Includes bibliographical references and index.
Nota di contenuto	Data Mining and Knowledge Discovery -- Research on Long Life Product Prognostics Technology Based on Deep Learning and Statistical Information Fusion -- A multi-label imbalanced data classification method based on label partition integration -- X-ray Prohibited Items Recognition Based on Improved YOLOv5 -- Temporal Convolution and Multi-Attention Jointly Enhanced Electricity Load Forecasting -- Jointly Learning Structure-Augmented Semantic Representation and Logical Rules for Knowledge Graph Completion -- Rule-enhanced Evolutional Dual Graph Convolutional Network For Temporal Knowledge Graph Link Prediction -- DINE: Dynamic Information Network Embedding for Social Recommendation -- Empowering Chinese Hypernym-Hyponym Relation Extraction Leveraging Entity Description and Attribute Information -- Knowledge-Concept Diagnosis from fMRIs by using a Space-Time Embedding Graph Convolutional Network -- Interactively

Mining Interesting Spatial Co-Location Patterns by Using Fuzzy Ontologies -- Representation Learning of Multi-layer Living Circle Structure -- Knowledge Graph Completion With Fused Factual and Commonsense Information -- Heterogeneous Graphs Embedding Learning with Metapath Instance Contexts -- Finding Introverted Cores in Bipartite Graphs -- Recommender Systems -- GENE: Global Enhanced Graph Neural Network Embedding for Session-based Recommendation -- Research on Predicting the Impact of Venue Based on Academic Heterogeneous Network -- Exploiting Item relationships with Dual-channel attention networks for Session-based Recommendation -- Interactive Model and Application of Joint Knowledge Base Question Answering and Semantic Matching -- Policy-Oriented Object Ranking with High-dimensional Data: A Case Study of Olympic Host Country or Region Selection -- Natural Language Processing -- A Joint Relation Extraction Model Based on Domain N-gram Adapterand Axial Attention for Military Domain -- TCM Function Multi-Classification Approach Using Deep Learning Models -- A Relation Extraction Model for Enhancing Subject Features and Relational Attention -- An Approach of Code Summary Generation Using Multi-Feature Fusion Based on Transformer -- Combines Contrastive Learning and Primary Capsule Encoder for Target Sentiment Classification -- An Entity Alignment Method Based on Graph Attention Network with Pre-Classification -- Text-independent Speaker Verification Based on Mutual Information Disentanglement -- FocusCap: Object-Focused Image Captioning with CLIP-Guided Language Model -- Chinese Nested Named Entity Recognition Based on Boundary Prompt -- Security, Privacy and Trust -- An Analysis Method for Time-based Features of Malicious Domains Based on Time Series Clustering -- Vulnerability Detection Based on Unified Code Property Graph -- Short repudiable ring signature: constant size and less overhead -- Lazy Machine Unlearning Strategy for Random Forests -- Will Data Sharing Scheme Based on Blockchain and Weighted Attribute-Based Encryption -- Secure Mutual Aid Service Scheme Based on Blockchain and Attribute-Based Encryption in Time Bank -- Exact query in Multi-Version Key Encrypted Database via Bloom filters -- BertHTLG: Graph-based Microservice Anomaly Detection through Sentence-Bert Enhancement -- An Analysis of the Rust Programming Practice for Memory Safety Assurance -- Blockchain -- A Blockchain Query Optimization Method Based on Hybrid Indexes -- Design Scheme of Anti-lost Functional Clothing for the Elderly Based on Blockchain -- Multi-User On-Chain and Off-Chain Collaborative Query Optimization Based on Consortium Blockchain -- BEAIV: Blockchain Empowered Accountable Integrity Verification Scheme for Cross-chain Data -- A novel group signature scheme with time-bound keys for blockchain -- An Efficient Storage Optimization Scheme for Blockchain Based on Hash Slot -- Parallel and Distributed Systems -- An IoT Service Development Framework Driven by Business Event Description -- Slew-driven Layer Assignment for Advanced Non-default-rule Wires -- Parallelize Accelerated Triangle Counting Using Bit-Wise on GPU -- RL-Based CEP Operator Placement Method on Edge Networks Using Response Time Feedback -- Database for artificial intelligence -- A Suitability Assessment Framework for Medical Cell Images in Chromosome Analysis -- Design innovation and application practice based on automatic thrombolysis after ischemic stroke -- Friction-based nanotransparent fibers for electronic skin for medical applications -- Self-powered flexible electronic skin based on ultra-stretchable frictional nano-integration -- Brain-machine based rehabilitation motor interface and design evaluation for stroke patients. .

Sommario/riassunto

This book constitutes the proceedings of the 20th International Conference on Web Information Systems and Applications, WISA 2023, held in Chengdu, China, in September 2023. The 43 full papers and 9 short papers presented in this book were carefully reviewed and selected from 213 submissions. The papers are grouped in topical sections on Data Mining and Knowledge Discovery, Recommender Systems, Natural Language Processing, Security, Privacy and Trust, Blockchain, Parallel and Distributed Systems and Database for Artificial Intelligence.