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Nota di contenuto	-- Big Data Management. -- Reputation-based Blockchain Node Reallocation in Heterogeneous Networks. -- Core-set Selection Considering Parties Honesty in Vertical Federated Learning. -- Auxiliary Variables Enhanced intra- and inter-Series Tokenization for Multivariate Time Series Forecasting. -- QUEST: Query-Aware Learned Metric Index for Similarity Search. -- CFEO: Causal Feature Extraction and Optimization for Cross-Domain Text Classification. -- A Data-Balanced and Privacy-Preserving Incentive Mechanism for Federated

Learning based on MADRL. -- LLM for Data Management. -- Word Pair Information is Important for Nested Named Entity Recognition. -- KAN-Based Dynamic Relational Meta-Learning for Few-Shot Knowledge Graph Completion. -- Contrastive Learning Enhanced Semi-supervised Anomaly Detection. -- Personalized text-to-image generation using semantically enhanced diffusion models. -- MIMIC-RxBench: Benchmarking Large Language Models for Prescription Error Classification. -- Evaluating the Performance of Large Language Models on a Multi-label Classification Task. -- Prompt-Partitioned Multi-Task Learning for Universal Sentence Representations. -- Information Retrieval. -- Resolving Memory Challenges in Cluster Computing Systems Via Stratified Asymptotic Sampling for Big Data Classification. -- Optimizing Real-time Complex Event Processing Parameter-driven Selection Policy. -- Frame-wise Multimodal Retrieval in Video Corpus with Contrastive Learning. -- Dynamic Hybrid Retrieval for Materials Science: Optimizing Information Systems for Numerical and Symbol-Intensive Knowledge Processing. -- Efficient High Utility Co-location Pattern Mining under Positive and Negative Utility Constraints. -- LFS: Efficient Account Migration across Sharded Blockchains via Lock-Free Scheduling. -- ProteinMM: Adaptive Multi-View and Task-Grouped Evolutionary Learning for Prediction of Protein Structural Features. -- SFusionNet: Airport Passenger Flow Prediction Model Based on Fusion Network. -- Demonstration Paper. -- SocialED: A Python Library for Social Event Detection. -- Demonstrating SpectralCrawler: a Framework for Physical-based Integration of Heterogeneous Ground Object Spectral Libraries from the Web. -- INRCM: An Improvable Neighbor Relationship's Co-location Miner. -- Demonstrating an Efficient System for Fast Processing and Visualization of Big Airborne Full Waveform LiDAR Data. -- APES: Interactive Pattern Mining System Based on Cross-Entropy Probability Modeling. -- Antigen: Highway Abnormal Event Detection System Driven by Roadside Edge Computing. -- Egret: Massive Highway Monitoring Time Series Data Sharing System. -- A Privacy-Preserving Semantic Trajectory Query System in Cloud-Fog Collaborative Environments. -- DCPCPM: A Miner For Discovering Concise Prevalent Co-location Patterns. -- SPUS-Agent: LLM-Based Intelligent Agent for Subjective Perception of Urban Streets. -- KIMII: A System for Highway Key Information Identification and Multi-Source Data Integration. -- SHMComp: A Multifunctional System for Highway Structural Health Monitoring Data Compression. -- VEkNN: Verifiable and Encrypted kNN Search over High-Dimensional Vectors. -- Industry Paper. -- MLLM-Based Evaluation and Enhancement of Open-Set Object Detection Dataset Annotations. -- BitalosDB: Partitioned Key-Value Storage Engine for Lower Write Amplification. -- LLMATCH: a Unified Schema Matching Framework with Large Language Models. -- FasterTune: A New Paradigm for Database Tuning with Large Language Models and Bayesian Optimization.

Sommario/riassunto

The four-volume set LNCS constitutes the refereed proceedings of the 9th International Joint Conference on Web and Big Data, APWeb-WAIM 2025, held in Shenyang, China, during August 28–30, 2025. The 136 full papers and 15 short papers presented in these proceedings were carefully reviewed and selected from 472 submissions. The papers are organized in the following topical sections: Part I: Data Mining I; Machine Learning I; Information Retrieval and Knowledge Management I; Graph Data Management and Analytics I; Complex Data Management. Part II: Complex Data Management; Spatial and Temporal Data Management; Data Privacy and Trusted AI; Data Management on New Hardwares; Query Processing and Optimization; Data Mining II. Part III:

Data Mining II; Machine Learning II; Information Retrieval and Knowledge Management II; Graph Data Management and Analytics II; Big Data Management. Part IV: Big Data Management; LLM for Data Management; Information Retrieval; Demonstration Paper; Industry Paper.
