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LETTER FROM THE EDITORS-IN-CHIEF

We are pleased to present the third issue of Volume 20 of PVLDB – the Proceedings of the VLDB Endowment.

This third issue features 36 papers spanning the primary subject areas of Data Management for ML/AI (11), Data Mining and Analytics (1), Database Performance and Manageability (2), DBMS Internals (4), Distributed Database Systems (1), Graph Data Management (4), Information Integration (2), ML/AI for Data Management (4), Novel Database Architectures (1), Schema and Languages (1), Specialized and Domain-Specific Data Management (2), Text and Semi-Structured Data (1), as well as Time Series Data (2). These papers cover a great spectrum from core data management topics such as storage, indexing, query optimization, and performance, over data management for ML (the largest area in this issue) and ML for data management, to graph, spatial, time series, and semi-structured data.

Major commonalities of these works include a strong focus on vector search (e.g., filtered, multi-vector, cross-modal, distributed, and federated search, as well as concurrent updates and fault tolerance), efficient training and serving of ML models (e.g., graph sampling and partitioning for GNN training, and caching for RAG and generative recommendation), and the use of agents and LLMs for data discovery, text-to-SQL, and graph extraction, but also classic topics such as buffer and storage management, LSM-trees and key-value stores, multidimensional and spatial indexing, query optimization and costing, rule discovery, time series compression, as well as oblivious query processing and schema reasoning.

We like to express our sincere appreciation to our AEs and reviewers, proceedings chairs, as well as our website chairs whose efforts are instrumental to the operation and success of PVLDB.

Katja Hose and Matthias Boehm
Editors-in-Chief of PVLDB Vol. 20
Program Chairs for VLDB 2027