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LETTER FROM THE EDITORS IN CHIEF

It is our pleasure to present the first issue of PVLDB’s Volume 16. The Proceedings of the VLDB (PVLDB) present original research papers on a broad range of topics related to all aspects of data and information management, spanning from theoretical foundations, system architectures, models and techniques, to novel applications as well as large-scale deployment and evaluation. There are four equally important categories of papers in the research track: (a) regular research, (b) scalable data science, (c) experiment, analysis & benchmark, and (d) vision papers.

We have updated the list of PVLDB topics — which can be found on the PVLDB website — to reflect new research trends and better capture the broad range of topics now being tackled by our research community. Some of the additions include Video Management and Analytics Systems, Explainable AI, Interactive Querying & Visualization for Large Data, NL Interfaces to Data, and Recommender Engines.

PVLDB strives to give high-quality and constructive feedback in the form of reviews and meta-reviews. Submissions are carefully peer-reviewed by an expert board of Associate Editors and reviewers. Each paper is evaluated by at least three reviewers and an Associate Editor, who summarizes in a meta-review all reviews and the results of a three-week discussion phase during which the reviewers exchange their viewpoints and converge to a joint decision. Some submissions will enter a revision phase, where the authors are given three months to prepare a revised version for another round of review. Accepted papers are then published in the journal and ultimately presented at the following VLDB conference.

We have introduced some changes this year to further improve the review process. First, we increased the number of Associate Editors, to cover the broader range of PVLDB topics and to ensure better matching of expertise and a more balanced load. Recognizing that feedback is important for improving the whole process, we are providing an online form for authors to confidentially provide feedback on the quality of the reviews and meta-review; another form allows the reviewers and the Associate Editors to give kudos or raise concerns for other members of the review board. Some submissions may now undergo an additional formal shepherding phase, where a designated shepherd will work with the authors to ensure that the final version of the paper is acceptable. In addition to using Microsoft’s Conference Management Toolkit (CMT) for managing submissions, reviews, and revisions, we rely on the services of the Toronto Paper Matching System (TPMS) to suggest review assignments, the Conflict Of Interest Detection & Management System (CLOSET) for detecting conflicts of interest, and iThenticate, for detecting plagiarism.

Regarding conflicts of interest (COIs), we now apply an updated policy with a stricter definition than in the past. In particular, a COI based on co-authorship is defined as a person X being a co-author of a paper with Y in the last 3 years, or of 4 (or more) papers in the last 10 years. With stricter COI rules, declaring COIs with a large review board requires considerable extra effort. To facilitate, we provide a searchable spreadsheet of COIs with the review board based on DBLP data. Authors can use this spreadsheet as a resource when declaring COIs during submission. This resource is not meant to be authoritative or cover all types of COIs, so authors must still do their due diligence to identify and declare COIs missing from the list. We will keep updating the spreadsheet throughout the year.

Authors are expected to make available supplemental materials such as code, data, and other implementation artifacts used to produce the results reported in the paper. When there are compelling reasons why this availability requirement cannot be met, authors must explain and can be exempted from the requirement. As part of the meta-reviews for accepted submissions, Associate Editors use a standard rubric to assess the availability of supplemental materials, ensuring their openness and permanence, as well as the readability of instructions for the reuse of the artifacts by other members of the community. All accepted papers that provide supplementary materials meeting the availability requirement are awarded an official ACM badge.

This first issue of PVLDB’s Volume 16 includes ten papers, spanning the topics of database engines, distributed databases, blockchain, data management for ML, crowdsourcing, and privacy — with database engines and data management for ML as the two most popular topics in this issue, at four and three papers, respectively. Out of the ten papers, one was a straight accept, two were shepherded, and seven were accepted after revision. One paper is in the scalable data science category, and the rest are regular research papers.

We are very grateful to our board of associate editors and reviewers as well as our proceedings chairs who contribute to the success of PVLDB.

Georgia Koutrika and Jun Yang
Editors-in-Chief of PVLDB Vol. 16
Program Chairs for VLDB 2023