



# Proceedings of the VLDB Endowment

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## LETTER FROM THE EDITORS IN CHIEF

The Proceedings of the VLDB Endowment (PVLDB) provides a high-quality journal publication service to the data management research community. Each volume offers twelve monthly submission deadlines on the first day of each month and a quick, six week reviewing cycle. This publication model was pioneered by PVLDB and combines a journal-style reviewing process, which includes a three-month revision cycle, with the agility and visibility provided by rapid on-line publication, and presentation at the annual VLDB conference.

PVLDB attracts many submissions spanning diverse data management topics, and the PVLDB reviewing process is implemented by a large team of dedicated researchers. The Review Board of PVLDB Volume 13 consists of 186 expert researchers, and reviewing is coordinated by 18 Associate Editors. Review Board members provide timely (within a 3-week deadline) high-quality reviews, and participate actively in online discussions led by the Associate Editors for each paper. When needed, the Associate Editors together with the Editors-in-Chief solicit additional reviews from external experts. We give special thanks here to those additional reviewers who in most cases need to complete their expert reviews on a very short notice.

Most of the accepted papers go through a revision process that requires a second round of reviews after the authors have addressed an initial set of issues and concerns raised by the reviewers during the first round. Some papers are further accepted with shepherding, which means that one of the reviewers works with the authors to address a final set of comments.

This is the sixth issue of the thirteenth volume of PVLDB. The twelve papers in this issue will be presented at the 46th International Conference on Very Large Data Bases (VLDB 2020), to be held in Tokyo, Japan during August 31 to September 4, 2020.

New applications, new hardware and new development in other computer science areas remain to be the main driving forces for innovative database research. Three papers in this issue are related to large-scale graph analytics, from indexing-based efficient algorithms, parallel processing, to applications in community search. This issue presents the state-of-the-art work in using GPU for speedup database operations, in making blockchains more scalable, and in supporting data compression and query processing with columnar storage. There are two papers dealing with very interesting and non-trivial applications. One is to propose a framework and technical solution that can help users to improve the outcome when their resumes and loan applications are rejected by machine learning models, and another is to detect cherry-picking when data points are chosen to tell stories without good support. Data quality management research also presents strongly in this issue, including structured entity retrieval and approximate provenance summary. Finally, this issue contains one paper that conducts a thorough analysis of OLAP systems, revealing insights for efficient use of hardware resources.

We hope that the readers will find the selected papers engaging, and thought provoking. We also hope that the selected papers will provide valuable insights and inspire novel systems contributions and follow-up research.

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Magdalena Balazinska and Xiaofang Zhou

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