

VLDB2015

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**Proceedings of the 41st International Conference on
Very Large Data Bases, Kohala Coast, Hawaii**

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LETTER FROM AN ASSOCIATE EDITOR

I am delighted to present to you the fifth issue of the Proceedings of the VLDB Endowment (PVLDB), Volume 8. PVLDB publishes papers accepted through a journal-style reviewing process from papers submitted on a year-round monthly submission schedule. All PVLDB papers published in this volume will be presented at the VLDB 2015 Conference, to be held in Kohala Coast, Hawaii, August 31 - September 4, 2015.

This issue of PVLDB showcases 15 papers and one erratum. The papers span a broad range of topics both new and traditional ones. Five papers tackle challenges related to graph processing (finding influential communities, top-k tree pattern matching, node similarity, graph isomorphism, and belief propagation). Three papers focus on topics related to machine learning (a new approach for efficient statistical machine learning in a database system), data mining (bundle configuration problem), and probabilistic databases (new algorithms for efficient query processing in a probabilistic system). Two papers tackle the problem of storing and querying time series and string data (storing and searching collections of similar strings and time-series clustering). One paper focuses on crowd sourcing, in particular how to select crowd workers with a good diversity of opinions. One paper develops a new library-based approach to transactional updates for non-volatile memory systems. Another paper tackles the problem of generating approximate visualizations that preserve important properties such as ordering. Two papers address the long-standing problems of efficient distributed stream processing (monitoring algorithm for a distributed stream based on convex decomposition) and k nearest neighbors, in this case the specific problem of computing the reverse k nearest neighbors.

I hope that you enjoy our selection of papers in this issue. We thank the reviewers for their hard work and debates for making the best selection to present to our community-- and I hope that you will continue to submit your best work to PVLDB's future issues!

Magdalena Balazinska (PVLDB Associate Editor)