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LETTER FROM THE VLDB 2011 RESEARCH TRACK CO-CHAIR

It is my pleasure to present the 8th volume of the PVLDB Journal 2011. This issue comprises five high-quality research papers covering a wide range of topics touching aspects of modern hardware (use of GPUs for index intersection and compression), the design of a database store to improve SPAQL queries using a graph matching approach, as well as a mechanism to migrate multitenant databases in cloud platforms. In addition to the more system-oriented papers, you will also find two papers addressing algorithmic aspects: on the one side, the current issue presents an approach to enable an incremental Hausdorff distance calculation usable in multiple application domains like geographic information systems. On the other side, a method will be presented to create provenance graphs using the concept of surrogate parenthood in order to enable efficient path-based queries over graph-structured data like in social network analysis.

All papers underwent a journal-style review process and will be also presented at the VLDB 2011 conference taking place in Seattle from August 29th to September 3rd. I am convinced that these papers are interesting to read and inspiring for your work. Finally, I would like to thank the authors and especially the reviewers for their hard work to make this issue possible.

See you in Seattle!

Wolfgang Lehner, Dresden University of Technology

VLDB 2011 Research Track Co-Chair