



Proceedings of the VLDB 2016 PhD Workshop

September 9, 2016 — New Delhi, India

Preface

This volume contains the proceedings of the **VLDB 2016 PhD Workshop**, co-located with the 42nd International Conference on Very Large Database (VLDB 2016) and held on September 9, 2016, in New Delhi, India.

The established VLDB PhD Workshop series is a unique opportunity for graduate students to present and discuss their research in the context of a premier international conference. The workshop provides a forum that facilitates interactions among PhD students and stimulates feedback from more experienced researchers—not only in terms of diligent paper reviews but also at the conference site.

Following the call for papers, 24 authors submitted their papers for presentation at the workshop. Of these, the program committee carefully selected a total of 8 papers which you will find bundled in this volume:

- Sergey Dudoladov
Efficient Fault Tolerance for Massively Parallel Dataflow Systems
- Shadi A. Noghbi
Building a Scalable Distributed Online Media Processing Environment
- Tomas Karnagel
Heterogeneity-Aware Query Optimization
- Hong Van Le
Distributed Moving Objects Database Based on Key-Value Stores
- Shubhadip Mitra
Identifying Top-K Optimal Locations for Placement of Large-Scale Trajectory-Aware Services
- Yang Cao
Rigorous and Flexible Privacy Models for Utilizing Personal Spatiotemporal Data
- Tobias Müller
Have Your Cake and Eat it, Too: Data Provenance for Turing-Complete SQL Queries
- Sreyasi Nag Chowdhury
Commonsense for Making Sense of Data

The workshop program also featured a keynote talk by Tim Kraska (Computer Science Department, Brown University). Tim reflected on bringing *Method to the Madness* of structuring your research and academic career in the light of unforeseen failures (and successes).

Our sincere thanks go to all authors for their interest in the workshop and to the members of the program committee for their insightful and careful reviews, all of which were prepared on a tight schedule but still received in time. All of you have helped to make the VLDB 2016 PhD Workshop a successful event.

धन्यवाद्

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PC Co-Chairs
September 2016

PhD Workshop Program Committee

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