# TABLE OF CONTENTS

1  SIGMOD Officers, Committees, and Awardees

4  Editor’s Notes

## Database Principles

6  Limit Datalog: A Declarative Query Language for Data Analysis  
*Bernardo Cuenca Grau, Ian Horrocks, Mark Kaminski, Egor V. Kostylev, and Boris Motik*

## Surveys

18  Hardware-Conscious Stream Processing: A Survey  
*Shuhao Zhang, Feng Zhang, Yingjun Wu, Paul Johns, and Bingsheng He*

## Research Articles

30  Domain- and Structure-Agnostic End-to-End Entity Resolution with JedAI  
*George Papadakis, Leonidas Tsekouras, Emmanouil Thanos, George Giannakopoulos, Themis Palpanas, and Manolis Koubarakis*

## Distinguished Profiles

37  Natassa Ailamaki Speaks Out on How to Be a Systems Researcher and How to Manage a Large Research Group  
*Marianne Winslett and Vanessa Braganholo*

## Reports

44  The Seattle Report on Database Research  
*Daniel Abadi, Anastasia Ailamaki, David Andersen, Peter Bailis, Magdalena Balazinska, Philip Bernstein, Peter Boncz, Surajit Chaudhuri, Alvin Cheung, AnHai Doan, Luna Dong, Michael J. Franklin, Juliana Freire, Alon Halevy, Joseph M. Hellerstein, Stratos Idreos, Donald Kossmann, Tim Kraska, Sailesh Krishnamurthy, Volker Markl, Sergey Melnik, Tova Milo, C. Mohan, Thomas Neumann, Beng Chin Ooi, Fatma Ozcan, Jignesh Patel, Andrew Pavlo, Raluca Popa, Raghu Ramakrishnan, Christopher Ré, Michael Stonebraker, and Dan Suciu*

54  Digital Libraries: Supporting Open Science  
*Paolo Manghi, Leonardo Candela, Emma Lazzeri, and Gianmaria Silvello*