# TABLE OF CONTENTS

1. SIGMOD Officers, Committees, and Awardees

4. Editor's Notes

**Research Highlights**

6. Technical Perspective: Checking Invariant Confluence, In Whole or In Parts
   Johannes Gehrke

7. Checking Invariant Confluence, In Whole or In Parts
   Michael Whittaker and Joseph M. Hellerstein

15. Technical Perspective of Concurrent Prefix Recovery: Performing CPR on a Database
    Philip A. Bernstein

16. Concurrent Prefix Recovery: Performing CPR on a Database
    Guna Prasaad, Badrish Chandramouli, and Donald Kossmann

    Benny Kimelfeld

25. Constant-Delay Enumeration for Nondeterministic Document Spanners
    Antoine Amarilli, Pierre Bourhis, Stefan Mengel, and Matthias Niewerth

33. Technical Perspective: Database Repair Meets Algorithmic Fairness
    Lise Getoor

34. Database Repair Meets Algorithmic Fairness
    Babak Salimi, Bill Howe, and Dan Suciu

42. Technical Perspective: Declarative Recursive Computation on an RDBMS
    Matthias Boehm

43. Declarative Recursive Computation on an RDBMS or, Why You Should Use a Database For Distributed Machine Learning
    Dimitrije Jankov, Shangyu Luo, Binhang Yuan, Zhuhua Cai, Jia Zou, Chris Jermaine, and Zekai J. Gao
<table>
<thead>
<tr>
<th>Page</th>
<th>Title</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>51</td>
<td>Technical Perspective: Efficient Logspace Classes for Enumeration, Counting, and Uniform Generation</td>
<td>Reinhard Pichler</td>
</tr>
<tr>
<td>52</td>
<td>Efficient Logspace Classes for Enumeration, Counting, and Uniform Generation</td>
<td>Marcelo Arenas, Luis Alberto Croquevielle, Rajesh Jayaram, and Cristian Riveros</td>
</tr>
<tr>
<td>60</td>
<td>Technical Perspective: Query Optimization for Faster Deep CNN Explanations</td>
<td>Sebastian Schelter</td>
</tr>
<tr>
<td>61</td>
<td>Query Optimization for Faster Deep CNN Explanations</td>
<td>Supun Nakandala, Arun Kumar, and Yannis Papakonstantinou</td>
</tr>
<tr>
<td>69</td>
<td>Technical Perspective: Revealing Every Story of Data in Blockchain Systems</td>
<td>Yaron Kanza</td>
</tr>
<tr>
<td>70</td>
<td>Revealing Every Story of Data in Blockchain Systems</td>
<td>Pingcheng Ruan, Tien Tuan Anh Dinh, Qian Lin, Meihui Zhang, Gang Chen, and Beng Chin Ooi</td>
</tr>
</tbody>
</table>