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# Transactions on Large-Scale Data- and Knowledge- Centered Systems XLIX

Special Issue on Data Management – Principles,  
Technologies and Applications

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ISSN 0302-9743

ISSN 1611-3349 (electronic)

Lecture Notes in Computer Science

ISSN 1869-1994

ISSN 2510-4942 (electronic)

Transactions on Large-Scale Data- and Knowledge-Centered Systems

ISBN 978-3-662-64147-7

ISBN 978-3-662-64148-4 (eBook)

<https://doi.org/10.1007/978-3-662-64148-4>

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The registered company address is: Heidelberger Platz 3, 14197 Berlin, Germany

## Preface

This volume contains a selection of fully revised papers presented at the 36th Conference on Data Management – Principles, Technologies, and Applications (BDA 2020). For this special issue, we have selected four articles covering timely data management research topics on crowdsourcing, data streams, skyline queries, and data protection.

All authors were invited to prepare and submit a journal version of their contributions which have been fully re-reviewed by the editorial board of this special issue. Two papers in this special issue are extended versions of international conference papers published in the DEXA 2020 and ICWS 2020 proceedings.

We would like to take this opportunity to express our sincere thanks to all authors and the editorial board of this special issue for their effort and their valuable contribution in raising the quality of the camera-ready version of the papers.

Finally, we are grateful to the Editors-in-Chief, Abdelkader Hameurlain and A Min Tjoa, for giving us the opportunity to publish this special issue as part of TLDKS journal series.

July 2021

François Goasdoué  
Bernd Amann

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