

Readings in Database Systems, Third Edition (The Morgan Kaufmann Series in Data Management Systems)

By Michael Stonebraker, Joseph Hellerstein

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Readings in Database Systems, 3rd Edition is the most up-to-date compilation of papers to explore DBMS applications which were first published in the now classic "Red Book" in 1988. Dr. Stonebraker and Dr. Hellerstein have selected a spectrum of papers on the roots of the field, which include classic papers from the '70's on the relational model to timely discourses on future directions. This new streamlined edition includes 46 papers that cover much of the significant research and development in the database field, organized by area of technology.

Expert introductory analysis of each section topic of the book is provided by leaders of the DBMS field along with a discussion of each reading.

From the Preface: "The main purpose of this collection is to present a technical context for research contributions and to make them accessible to anyone who is interested in database research. This book is intended as an introduction for students and professionals wanting an overview of the field. It is also designed to be a reference volume for anyone already active in database systems. This set of readings represents what we perceive to be the most important issues in the database area: the core material for any DBMS professional to study."

- * Third edition is completely revised and streamlined to include the most significant new and classic papers along with introductory materials
- * Coverage spans the entire field of database, including relational implementation, transaction management, distributed database, parallel database, objects and databases, data analysis, and benchmarking
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- * Lecture notes available on Morgan Kaufmann Web Site updated by the authors to include each paper
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Editorial Review

From the Back Cover

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About the Author

Michael Stonebraker is a professor emeritus of computer science at the University of California at Berkeley. He is a founder of Ingres Corp. (now a division of Computer Associates), the founder of Illustra Information Technologies, Inc., a past chairman of the ACM Special Interest Group on Management of Data, and the author of many papers and books on DBMS technology. A well-known lecturer and keynote speaker, Dr. Stonebraker was the recipient of the first ACM SIGMOD innovations award in 1992.

Joseph M. Hellerstein is an Assistant Professor of Computer Science at the University of California, Berkeley who earned his Ph.D. at the University of Wisconsin. His research interests include query processing, query optimization, indexing, and active databases, especially as applied to object database systems and on-line data analysis. He is on the ACM SIGMOD advisory board and is an associate editor of the IEEE Data Engineering Bulletin.

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