M. Tamer Özsu · Patrick Valduriez

Principles of Distributed Database Systems

Fourth Edition

Springer

Springer

4th edition

4th ed. 2020, XVII, 674 p.
214 illus., 28 illus. in color.

Printed book

Hardcover

Printed book

Hardcover

$ 89,99

Available

Discount group

Professional Books (2)

Product category

Graduate/advanced undergraduate textbook

Computer Science : Information Systems and Communication Service

Özsu, M. Tamer, Valduriez, Patrick

Principles of Distributed Database Systems

- New chapters, covering big data management and NoSQL, NewSQL and polystore systems
- Discussion of consensus protocols and blockchains
- Extensive revisions and updates reflecting the changing technology based on years of class testing and feedback
- Ancillary teaching materials are available

The fourth edition of this classic textbook provides major updates. This edition has completely new chapters on Big Data Platforms (distributed storage systems, MapReduce, Spark, data stream processing, graph analytics) and on NoSQL, NewSQL and polystore systems. It also includes an updated web data management chapter that includes RDF and semantic web discussion, an integrated database integration chapter focusing both on schema integration and querying over these systems. The peer-to-peer computing chapter has been updated with a discussion of blockchains. The chapters that describe classical distributed and parallel database technology have all been updated. The new edition covers the breadth and depth of the field from a modern viewpoint. Graduate students, as well as senior undergraduate students studying computer science and other related fields will use this book as a primary textbook. Researchers working in computer science will also find this textbook useful. This textbook has a companion web site that includes background information on relational database fundamentals, query processing, transaction management, and computer networks for those who might need this background. The web site also includes all the figures and presentation slides as well as solutions to exercises (restricted to instructors).

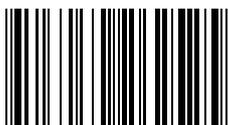Order online at springer.com/booksellers

Springer Nature Customer Service Center LLC
233 Spring Street
New York, NY 10013
USA
T: +1-800-SPRINGER NATURE
(777-4643) or 212-460-1500
customerservice@springernature.com

Part of **SPRINGER NATURE**