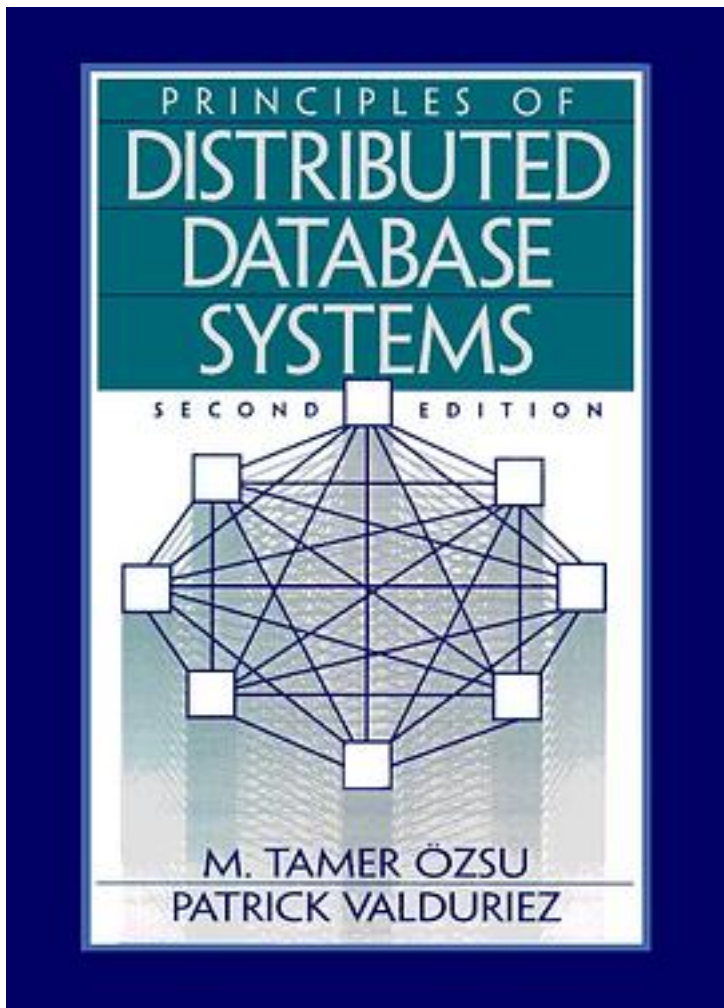# Principles of Distributed Database Systems

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著者:Ozsu, M. Tamer

出版者:Prentice Hall

出版时间:

装帧:Pap

isbn:9780130412126

In the Second Edition of this best-selling distributed database systems text, the

authors address new and emerging issues in the field while maintaining the key features and characteristics of the First Edition. The text has been revised and updated to reflect changes in the field. This comprehensive text focuses on concepts and technical issues while exploring the development of distributed database management systems (DBMS). Principles of Distributed Database Systems presents distributed database systems within the framework of distributed data processing in general, rather than as a problem in isolation.

NEW TO THIS EDITION

The relationship of distributed DBMSs with the new networking technologies is discussed.

The query processing/optimization chapters now focus on techniques employed in commercial systems and include new algorithms such as randomized search strategies.

Discussion of advanced transaction models and workflows has been added to the transaction management chapters.

Full chapters are devoted to parallel DBMSs and distributed object DBMSs.

Current issues are discussed in a new chapter, including sections on data warehousing, world wide web and databases, push-based technologies, and mobile DBMSs.

General interoperability issues and distributed object platforms such as OMA/CORBA and DCOM/OLE have been added to the multidatabase systems chapter.

这本书的第三版将于2010年出版，目前在Amazon的网站上已经有简介。

作者介绍:

Dr.M. Tamer Özsu is a Professor of Computer Science and University Research Chair at the University of Waterloo. He will be taking over as the Director of David R. Cheriton School of Computer Science at the University of Waterloo starting January 2007.

He holds a Ph.D. (1983) and an MS (1981) in Computer and Information Science from The Ohio State University (1983) and a B.S. (1974) and M.S. (1978) in Industrial Engineering from the Middle East Technical University (1974). Prior to joining University of Waterloo in 2000, he was with the University of Alberta, Department of Computing Science (1984-2000).

Dr. Özsu's current research focuses on three areas:

(a) Internet-scale data distribution that emphasizes stream data management, peer-to-peer databases, and Web data management;

(b) multimedia data management, concentrating on similarity-based retrieval of time series and trajectory data;

and (c) XML data management mainly focusing on query processing and optimization, and performance benchmarking. His previous research focused on distributed databases, interoperable information systems, object database systems and image

databases. He is the co-author of the bookPrinciples of Distributed Database Systems (Prentice Hall) which is now in its second edition (third edition to come out in 2007).

He is currently a University Research Chair and has held a Faculty Research Fellowship at the University of Waterloo (2000 - 2003), and a McCalla Research Professorship (1993-1994) at the University of Alberta where he held faculty position (Computing Science) between 1984 and 2000. He has held visiting positions at GTE Laboratories (USA), INRIA Rocquencourt (France), GMD-IPSI (Germany), University of Jyväskylä (Finland), Technical University of Darmstadt (Germany), University of Udine (Italy), University of Milano (Italy), National University of Singapore, and ETH Zürich (Switzerland).

His Website:http://db.uwaterloo.ca/~tozsu/

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标签

database

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评论

not only good for ddb study, but good for dbms study.

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书评

书读的并不细，因为时间问题重点读了4，5，7，13和15章，很多详细的地方都直接跳过去了……
这本书很适合当教材，因为写的太详细了，详细到令人发指……很多东西都是手把手教下来的，优点当然是易于理解，缺点却是很容易看的昏昏欲睡。所以如果你事先知道一些相关知识...

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http://webdocs.cs.ualberta.ca/~database/ddbook/Errata/Errata.html
有这本书的朋友可以参考下。

3年前买的这本书，到现在都没有怎么看，只是把大纲看了几遍！内容很丰富，论述的方法也不少，直觉告诉我：这是一本好书！所以我还是推荐有能力、有精力的人，读读这本书！

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