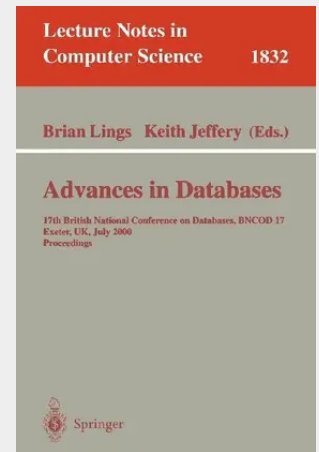


Advances in Databases

17th British National Conference on Databases, BNCOD 17 Exeter, UK, July 3-5, 2000
Proceedings

After a decade of major technical and theoretical advancements in the area, the scope for exploitation of database technology has never been greater. Neither has the challenge. This volume contains the proceedings of the 17th British National Conference on Databases (BNCOD 2000), held at the University of Exeter in July 2000. In selecting the quality papers presented here, the programme committee was particularly interested in the demands being made on the technology by emerging application areas, including web applications, push technology, multimedia data, and data warehousing. The concern remains the same: satisfaction of user requirements on quality and performance. However, with increasing demand for timely access to heterogeneous data distributed on an unregulated Internet, new challenges are presented. Our three invited speakers develop the theme for the conference, considering new dimensions concerning user requirements in accessing distributed, heterogeneous information sources. In the first paper presented here, Gio Wiederhold reflects on the tension between requirements for, on the one hand, precision and relevance and on the other completeness and recall in relating data from heterogeneous resources. In resolving this tension in favour of the former, he maintains that this will fundamentally affect future research directions. Sharma Chakravarthy adds another dimension to the requirement on information, namely timeliness. He shares a vision of just-in-time information delivered by a push technology based on reactive capabilities. He maintains that this requires a paradigm shift to a user-centric view of information.

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53,49 €
49,99 € (zzgl. MwSt.)

Lieferfrist: bis zu 10 Tage

Artikelnummer: 9783540677437
Medium: Buch
ISBN: 978-3-540-67743-7
Verlag: Springer
Erscheinungstermin: 21.06.2000
Sprache(n): Englisch
Auflage: Erscheinungsjahr 2000
Serie: Lecture Notes in Computer Science
Produktform: Kartoniert
Gewicht: 406 g
Seiten: 226
Format (B x H): 155 x 235 mm

