

Kwantitatieve Methoden

Book Review Section

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Book review 72B27

JAREK NABRZYSKI; JENNIFER M. SCHOPF; JAN WEGLARZ(ED.) (2003).

Grid Resource Management. State of the Art and Future Trends.

International Series in Operations Research and Management Science. Kluwer, Dordrecht.

ISBN 1-4020-7575-8, Hardbound, 150 pp., EUR 144.00.

Computational grids are networks that make use of the enormous amount of idle computing power available on the internet. They can be seen as huge parallel supercomputers with possible thousands of nodes. To make them work in a reliable, efficient way, transparent to the user, many hurdles still have to be taken.

This book describes current challenges for users, application developers, and resource owners when working with Grid resource management systems. It contains an overview of Grid computing, ongoing work on resource management, predicting techniques, and data scheduling. Quality of service, Peer-to-Peer issues, and economical issues are also discussed.

The overview restricts itself mostly to computer science subjects; mathematical aspects of Grid resource management are rarely presented. The selection of contributing information science authors is very good. Because the book mainly describes ongoing research, it will go out of date within a few years. The subjects are discussed in general terms and, consequently, are understandable, also to the layman.

Altogether the book is well written and contains a good general overview of ongoing research on Grid resource management. The book is relevant to graduate students, practitioners and researchers in computer science and related disciplines with certain interests in Grid computing.

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