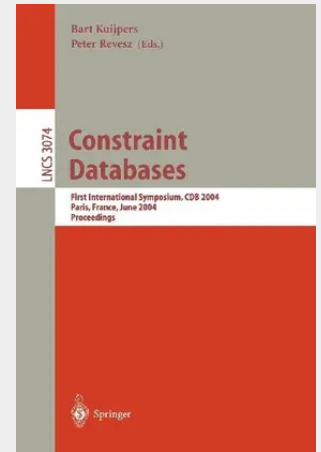


Constraint Databases and Applications

First International Symposium, CDB 2004, Paris, France, June 12-13, 2004, Proceedings

The 1st International Symposium on the Applications of Constraint Databases (CDB2004) took place in Paris, France, on June 12–13, 2004, just before the ACM SIGMOD and PODS conferences. Since the publication of the paper “Constraint Query Languages” by Kanoulakis, Kuper and Revesz in 1990, the last decade has seen a growing interest in constraint database theory, query evaluation, and applications, reflected in a variety of conferences, journals, and books. Constraint databases have proven to be extremely flexible and adoptable in environments that relational database systems cannot serve well, such as geographic information systems and bioinformatics. This symposium brought together people from several diverse areas all contributing to the practice and the application of constraint databases. It was a continuation and extension of previous workshops held in Friedrichshafen, Germany (1995), Cambridge, USA (1996), Delphi, Greece (1997), and Seattle, USA (1998) as well as of the work in the comprehensive volume “Constraint Databases” edited by G. Kuper, L. Libkin and J. Paredaens (2000) and the textbook “Introduction to Constraint Databases” by P. Revesz (2002). The aim of the symposium was to open new and future directions in constraint database research; to address constraints over domains other than the reals; to contribute to a better implementation of constraint database systems, in particular of query evaluation; to address efficient quantifier elimination; and to describe applications of constraint databases.

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