In constraint databases, the queries are evaluated using quantifier elimination methods. Therefore, the computer algebra community are invited to submit papers to the Symposium, one of whose aims is to reach out to other communities in computer science research.

CALL FOR PAPERS

CDB’04:

1st INTERNATIONAL SYMPOSIUM ON APPLICATIONS OF CONSTRAINT DATABASES

in conjunction with SIGMOD-PODS 2004

Paris, France, 12-13 June 2004

http://www.luc.ac.be/cdb04

SCOPE: The last few years have seen a growing interest in constraint database theory, query evaluation, and applications in a variety of conferences, journals, and books. This symposium wants to bring together people from several diverse areas that can contribute to the practice and the application of constraint databases. It is 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).

TOPICS OF INTEREST: We especially encourage submissions
- opening new and future directions in constraint database research;
- addressing constraints over domains other than the reals;
- contributing to a better implementation of constraint database systems, in particular of query evaluation;
- addressing efficient quantifier elimination; and
- describing applications of constraint databases.

The following is a non-exclusive list of topics of interest.
Applications: bioinformatics; CAD and GIS; computer security; data mining; model checking; string databases
Data and knowledge representation: approximation techniques; constraint data extraction; constraint interpolation; incomplete information; spatiotemporal models; visualization
Query evaluation: algebras; indexing; quantifier elimination
Query languages: complexity; expressive power; new operators

INVITED SPEAKERS:
Joos Heintz, Universities of Buenos Aires and of Cantabria
Leonid Libkin, University of Toronto
Andreas Podelski, Max-Planck-Institut für Informatik

PROCEEDINGS: The proceedings will be published as part of the Lecture Notes in Computer Science (LNCS) series by Springer-Verlag. Authors are expected to sign a copyright release form to Springer-Verlag.

SUBMISSION INSTRUCTIONS: The submission procedure will be electronic: Potential presenters should submit e-mail copies of a paper in English and maximum 15 pages in either PostScript or PDF form to one of the program co-chairs. Selection of papers will be mainly based on relevance, clarity, and significance. The presented results should be original, not published somewhere else and not under submission elsewhere. Please follow the Springer LNCS guidelines for formatting.

IMPORTANT DATES:
Abstract submission: January 23, 2004
Submission deadline: February 2, 2004
Notification of acceptance: March 15, 2004
Camera ready copy deadline: March 26, 2004
Symposium dates: June 12-13, 2004

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