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Krzysztof R. Apt François Fages
Francesca Rossi Péter Szeredi
József Váncza (Eds.)

Recent Advances in Constraints

Joint ERCIM/CoLogNET International Workshop
on Constraint Solving and Constraint Logic Programming, CSCLP 2003
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Selected Papers



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Series Editors

Jaime G. Carbonell, Carnegie Mellon University, Pittsburgh, PA, USA
Jörg Siekmann, University of Saarland, Saarbrücken, Germany

Volume Editors

Krzysztof R. Apt
National University of Singapore, School of Computing
3 Science Drive 2, Republic of Singapore 117543
E-mail: apt@comp.nus.edu.sg

François Fages
INRIA Rocquencourt - Projet CONTRAINTES
Domaine de Voluceau, Rocquencourt, BP 105, 78153 Le Chesnay Cedex, France
E-mail: Francois.Fages@inria.fr

Francesca Rossi
University of Padua, Department of Pure and Applied Mathematics
Via G.B. Belzoni 7, 35131 Padua, Italy
E-mail: frossi@math.unipd.it

Péter Szeredi
Budapest University of Technology and Economics
Department of Computer Science and Information Theory
Magyar tudosok krt. 2, 1117 Budapest, Hungary
E-mail: szeredi@cs.bme.hu

József Váncza
Hungarian Academy of Sciences, Computer and Automation Research Institute
Kende u. 13-17, 1111 Budapest, Hungary
E-mail: vancza@sztaki.hu

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Preface

Constraint programming is the fruit of several decades of research carried out in mathematical logic, automated deduction, operations research and artificial intelligence. The tools and programming languages arising from this research field have enjoyed real success in the industrial world as they contribute to solving hard combinatorial problems in diverse domains such as production planning, communication networks, robotics and bioinformatics.

This volume contains the extended and reviewed versions of a selection of papers presented at the Joint ERCIM/CoLogNET International Workshop on Constraint Solving and Constraint Logic Programming (CSCLP 2003), which was held from June 30 to July 2, 2003. The venue chosen for the seventh edition of this annual workshop was the Computer and Automation Research Institute of the Hungarian Academy of Sciences (MTA SZTAKI) in Budapest, Hungary. This institute is one of the 20 members of the Working Group on Constraints of the European Research Consortium for Informatics and Mathematics (ERCIM). For many participants this workshop provided the first opportunity to visit their ERCIM partner in Budapest.

CoLogNET is the European-funded network of excellence dedicated to supporting and enhancing cooperation and research on all areas of computational logic, and continues the work done previously by the Compulog Net. In particular, the aim of the logic and constraint logic programming area of CoLogNET is to foster and support all research activities related to logic programming and constraint logic programming.

The editors would like to take the opportunity and thank all the authors who submitted papers to this volume, as well as the reviewers for their helpful work. We hope this volume is useful for anyone interested in the recent advances and new trends in constraint programming, constraint solving, problem modelling and applications.

January 2004

K.R. Apt, F. Fages, F. Rossi, P. Szeredi and J. Váncza

Organization

CSCLP 2003 was organized by the ERCIM Working Group on Constraints, the CoLogNET area on Logic and Constraint Logic Programming, and the MTA SZTAKI in Budapest.

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