WORKSHOP NOTES

Joint Workshop of the
ERCIM Working Group on Constraints
and the
CologNet area on Constraint and Logic Programming
on

Constraint Solving and Constraint Logic Programming

Editors

Krzysztof R. Apt, François Fages, Eugene C. Freuder,
Barry O'Sullivan, Francesca Rossi and Toby Walsh.

Venue

Cork Constraint Computation Centre
University College Cork, Ireland
19th–21st June, 2002.

Preface

This workshop co-located two events: the seventh meeting of the ERCIM Working Group on Constraints, co-ordinated by Krzysztof R. Apt, and the first annual workshop of the CologNet area on Constraint Logic Programming, coordinated by Francesca Rossi. CologNet is a European-funded Network of Excellence, which continues the role played by the CompulogNet network, which ended in 2001.

The aim of this workshop was to constitute a forum where, mostly Europe-based, researchers of constraints could meet in an informal setting and discuss their most recent work. The location chosen for the workshop was especially interesting, since the Cork Constraint Computation Centre is a new research centre, supported by Science Foundation Ireland and led by Eugene Freuder, which is entirely devoted to studying constraint processing. Thus, the workshop participants had a unique opportunity to see the centre, meet its members, and possibly start useful collaborations for the future.

The working notes comprise 19 papers for presentation at the workshop. Amongst the topics addressed by these papers are: modelling and solving CSPs; explanation generation; inference and consistency processing; SAT and 0/1 encodings of CSPs; soft constraints and constraint relaxation; real-world applications; and distributed and parallel constraint solving. We would like to acknowledge the reviewer's for their assistance in reviewing submissions for suitability for inclusion in these workshop notes. Apart from the technical papers, we are pleased to have Professor Barbara Smith (University of Huddersfield, UK) and Prof. Manuel Hermenegildo (UPM, Spain) give invited talks entitled "Solve Your Problem Faster – by changing the model" and "Abstract Verification and Debugging of Constraint Logic Programs", respectively.

We wish to thank the ERCIM Working Group on Constraints, the CLP area of CologNet, and the 4C research centre, for sponsoring this event by covering all the local expenses and supporting the participation of several PhD students. A special thank goes to 4C, for handling also the local organization of the event.

The Organizing Committee
June 2002

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