WORKING NOTES

First International Workshop on

User-Interaction in Constraint Satisfaction

Held in conjunction with
Seventh International Conference on
Principles and Practice of Constraint Programming, CP2001.

Coral Beach Hotel and Resort, Paphos, Cyprus
Saturday, 1st of December, 2001.

Organizing Committee

Barry O'Sullivan and Eugene C. Freuder
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University College Cork, Ireland.

Preface

User-interaction issues arise both for users of constraint programming languages and for users of constraint-based applications. The former need assistance in building models and tailoring solvers. The latter need assistance in specifying problems and understanding results. Successful user interaction is the key to fully exploiting advances in constraint solving abilities.

This *First International Workshop on User-interaction in Constraint Satisfaction* should be of interest to researchers who wish seek a deeper understanding of the technical issues associated with supporting user interaction for constraint-based applications, languages or environments. The workshop should also be of interest to industrialists interested in the state-of-the-art in the area.

The working notes comprise 8 full papers and 1 position paper. Amongst the topics addressed by these papers are generalized approached to supporting interaction, interactive debugging environments, user interface requirements for interactive constraint processing, tradeoff generation for interactive configuration, explanation generation, constraint acquisition, preference acquisition and predictable interactive constraint systems. Apart from the presentation of the technical papers, we are pleased to have Professor James Bowen (UCC) give an invited talk entitled "Interaction and Co-operation in Constraint Satisfaction".

We would like to acknowledge the Workshop Programme Committee for their assistance in reviewing submissions for suitability for inclusion in these workshop notes. Also, we would like to acknowledge the assistance of the CP2001 Workshop and Tutorial Chair, Thomas Schiex, the CP2001 Local Chair, Antonis Kakas, and the CP Conference Chair, Toby Walsh, for their support and assistance.

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