

Foreword

The last ten years have seen a gradual fragmentation of the Automated Reasoning community into various disparate groups, each with its own Conference: the Conference on Automated Reasoning (CADE), the International Workshop on First-Order Theorem Proving (FTP), and the International Conference on Automated Reasoning with Analytic Tableau and Related Methods (TABLEAUX) to name three. During 1999, various members of these three communities discussed the idea of holding a joint Conference in 2001 to bring our communities together again. The plan was to hold a one-off Conference for 2001, to be repeated if it proved a success. This volume contains the Papers presented at the resulting event: the first International Joint Conference on Automated Reasoning (IJCAR 2001), held in Siena, Italy, from June 18–23, 2001.

We received 88 research Papers and 24 Systems descriptions as submissions. Each Submission was fully refereed by at least three peers who were asked to write a report on the quality of the submissions. These reports were accessible to members of the program committee via a web-based System specially designed for electronic discussions. As a result we accepted 37 research Papers and 19 System descriptions, which make up these proceedings. In addition, this volume contains full Papers or extended abstracts from the five invited speakers.

Ten one-day Workshops and four tutorials were held during IJCAR 2001. The automated theorem proving System competition (CASC) was organized by Geoff Sutcliffe to evaluate the performance of Sound, fully automatic, classical, first-Order automated theorem proving Systems. The third Workshop on Inference in Computational Semantics (ICoS-3) and the 9th Symposium on the Integration of Symbolic Computation and Mechanized Reasoning (CALCULEMUS-2001) were co-located with IJCAR 2001, and held their own associated Workshops and produced their own separate proceedings.

We would like to acknowledge the enormous amount of work put in by the members of the program committee, the various steering committees, the IJCAR officials, and additional referees named on the following pages. In particular, we would like to thank Fabio Massacci and Marco Baiocchi for organizing the Conference itself, Gernot Salzer for installing and maintaining the software for our web-based reviewing procedure, and Gertrud Bauer for assembling these proceedings. Finally, we thank the sponsors named on the following pages for their financial support.

April 2001

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Alexander Leitsch,
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