

# Preface

This volume constitutes the proceedings of the *2nd International Joint Conference on Automated Reasoning* (IJCAR 2004) held July 4–8, 2004 in Cork, Ireland. IJCAR 2004 continued the tradition established at the first IJCAR in Siena, Italy in 2001, which brought together different research communities working in automated reasoning. The current IJCAR is the fusion of the following conferences:

**CADE:** The International Conference on Automated Deduction,  
**CALCULEMUS:** Symposium on the Integration of Symbolic Computation  
and Mechanized Reasoning,  
**FroCoS:** Workshop on Frontiers of Combining Systems,  
**FTP:** The International Workshop on First-Order Theorem Proving, and  
**TABLEAUX:** The International Conference on Automated Reasoning with  
Analytic Tableaux and Related Methods.

There were 74 research papers submitted to IJCAR as well as 12 system descriptions. After extensive reviewing, 26 research papers and 6 system descriptions were accepted for presentation at the conference and publication in this volume. In addition, this volume also contains papers from the three invited speakers and a description of the CADE ATP system competition.

We would like to acknowledge the enormous amount of work put in by the members of the program committee, the various organizing and steering committees, the IJCAR officials, the invited speakers, and the additional referees named on the following pages. We would also like to thank Achim Brucker and Barbara Geiser for their help in producing this volume.

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