

Preface

AISC 2002, the 6th international conference on Artificial Intelligence and Symbolic Computation, and Calculemus 2002, the 10th symposium on the Integration of Symbolic Computation and Mechanized Reasoning, were held jointly in Marseille, France on July 1–5, 2002. This event was organized by the three universities in Marseille together with the LSIS (Laboratoire des Sciences de l'Information et des Systèmes).

AISC 2002 was the latest in a series of specialized conferences founded by John Campbell and Jacques Calmet with the initial title “Artificial Intelligence and Symbolic Mathematical Computation” (AISMCM) and later denoted “Artificial Intelligence and Symbolic Computation” (AISC). The scope is well defined by its successive titles.

AISMCM-1 (1992), AISMCM-2 (1994), AISMCM-3 (1996), AISC'98, and AISC 2000 took place in Karlsruhe, Cambridge, Steyr, Plattsburgh (NY), and Madrid respectively. The proceedings were published by Springer-Verlag as LNCS 737, LNCS 958, LNCS 1138, LNAI 1476, and LNAI 1930 respectively.

Calculemus 2002 was the 10th symposium in a series which started with three meetings in 1996, two meetings in 1997, and then turned into a yearly event in 1998. Since then, it has become a tradition to hold the meeting jointly with an event in either symbolic computation or automated deduction.

Both events share common interests in looking at Symbolic Computation, each from a different point of view: Artificial Intelligence in the more general case of AISC and Automated Deduction in the more specific case of Calculemus. Holding the two conferences jointly should trigger interdisciplinary research, with the first results expected at AISC 2004 (Austria) and at Calculemus 2003.

This volume includes papers accepted for presentation at both AISC 2002 and Calculemus 2002. From the 52 contributions submitted, 17 full papers were accepted for AISC, plus 7 full papers and 2 system descriptions for the Calculemus program. In addition, the invited speakers' abstracts are included as part of this volume. Several work-in-progress contributions were accepted for presentation at Calculemus 2002 but are not published in these proceedings.

We would like to express our thanks to the members of the two program committees, to the AISC steering committee, to the Calculemus trustees, to the referees, and to the organizing committee. Finally, we gratefully thank the sponsors for their financial support. Names are listed on the following pages.

April 2002

Jacques Calmet
Belaid Benhamou
Olga Caprotti
Laurent Henocque
Volker Sorge

Organization

Both AISC 2002 and CALCULEMUS 2002 were organized by the three universities of Marseille: L'Université de Provence (Aix-Marseille I), L'Université de la Méditerranée (Aix-Marseille II), La Faculté des Sciences de Saint-Jerôme (Aix-Marseille III), and the LSIS (Laboratoire des Sciences de l'Information et des Systèmes).

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Symposium Organization (CALCULEMUS)

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Volker Sorge (Univ. of Birmingham, UK)
Local chair: Belaid Benhamou (Univ. de Provence, Aix-Marseille I)

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Andrzej Trybulec	(Białystok Univ., Poland)
Volker Weisspfenning	(Univ. of Passau, Germany)
Wolfgang Windsteiger	(RISC, Hagenberg, Austria)

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