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Proceedings

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Preface

This volume contains the proceedings of MPC 2008, the 9th International Conference on the Mathematics of Program Construction. This series of conferences aims to promote the development of mathematical principles and techniques that are demonstrably useful in the process of constructing computer programs, whether implemented in hardware or software. The focus is on techniques that combine precision with conciseness, enabling programs to be constructed by formal calculation. Within this theme, the scope of the series is very diverse, including programming methodology, program specification and transformation, programming paradigms, programming calculi, and programming language semantics.

The quality of the papers submitted to the conference was in general very high, and the number of submissions was comparable to that for the previous conference. Each paper was refereed by at least four, and often more, committee members.

This volume contains 18 papers selected for presentation by the Program Committee from 41 submissions, 1 invited paper which was reviewed as well, and the abstracts for two invited talks.

The conference took place in Marseille-Luminy, France. The previous eight conferences were held in 1989 in Twente, The Netherlands; in 1992 in Oxford, UK; in 1995 in Kloster Irsee, Germany; in 1998 in Marstrand near Göteborg, Sweden; in 2000 in Ponte de Lima, Portugal; in 2002 in Dagstuhl, Germany; in 2004, in Stirling, UK; and in 2006 in Kuressaare, Estonia. The proceedings of these conferences were published as LNCS 375, 669, 947, 1422, 1837, 2386, 3125 and 4014, respectively.

We are grateful to the members of the Program Committee and their referees for their care and diligence in reviewing the submitted papers.

The review process and compilation of the proceedings were greatly helped by Andrei Voronkov's EasyChair system that we can only recommend to every Program Chair.

May 2008

Christine Paulin-Mohring
Philippe Audebaud

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The conference was hosted by the Centre International de Recherches en Mathématiques Luminy (CIRM), at Luminy, near Marseille, France.

We would like to thank INRIA and CIRM for their financial support to the conference.

We are grateful to the CIRM management team, LRI staff, and the INRIA Service communication et colloques (especially Emmanuelle Perrot) for their help in the organization of the conference.

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