

# Preface

This volume contains the proceedings of MPC 2015, the 12th International Conference on the Mathematics of Program Construction. This conference series aims to promote the development of mathematical principles and techniques that are demonstrably practical and effective in the process of constructing computer programs, broadly interpreted. The focus is on techniques that combine precision with conciseness, enabling programs to be constructed by formal calculation.

The conference was held in Königswinter, Germany, during June 29–July 1, 2015. The previous eleven conferences were held in 1989 in Twente, The Netherlands (with proceedings published as LNCS 375); in 1992 in Oxford, UK (LNCS 669); in 1995 in Kloster Irsee, Germany (LNCS 947); in 1998 in Marstrand, Sweden (LNCS 1422); in 2000 in Ponte de Lima, Portugal (LNCS 1837); in 2002 in Dagstuhl, Germany (LNCS 2386); in 2004, in Stirling, UK (LNCS 3125); in 2006 in Kuressaare, Estonia (LNCS 4014); in 2008 in Marseille-Luminy, France (LNCS 5133); in 2010 in Lac-Beauport, Canada (LNCS 6120); and in 2012 in Madrid, Spain (LNCS 7342).

The volume contains the abstracts of two invited talks, and 15 papers selected for presentation by the Program Committee from 20 submissions. The quality of the papers submitted to the conference was in general very high. However, the number of submissions has decreased compared to the previous conferences in the series. Each paper was refereed by at least three reviewers, and on average by four. We are grateful to the members of the Program Committee and the external reviewers 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, which we can highly recommend.

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