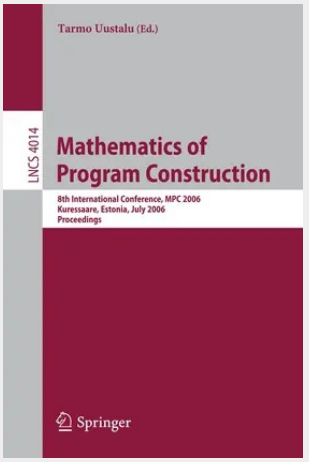
Uustalu

Mathematics of Program Construction

8th International Conference, MPC 2006, Kuressaare, Estonia, July 3-5, 2006, Proceedings

This book constitutes the refereed proceedings of the 8th International Conference on Mathematics of Program Construction, MPC 2006, held in Kuressaare, Estonia in July 2006. The book collects 22 revised full papers presented with 3 invited talks. Issues addressed range from algorithmics to support for program construction in programming languages and systems. Topics of special interest are type systems, program analysis and transformation, programming language semantics, program logics.

This volume contains the proceedings of the 8th International Conference on Mathematics of ProgramConstruction, MPC 2006,held at Kuressaare,Estonia, July 3–5, 2006, colocated with the 11th International Conference on Algebraic Methodology and Software Technology, AMAST 2006, July 5–8, 2006. TheMPCconferencesaimtopromotethedevelopmentofmathematicalpr- ciples and techniques that are demonstrably useful and usable in the process of constructing computer programs. Topics of interest range from algorithmics to support for program construction in programming languages and systems. The previous MPCs were held at Twente, The Netherlands (1989, LNCS 375), Oxford, UK (1992, LNCS 669), Kloster Irsee, Germany (1995,LNCS 947), Marstrand, Sweden (1998, LNCS 1422), Ponte de Lima, Portugal (2000, LNCS 1837), Dagstuhl, Germany (2002, LNCS 2386) and Stirling, UK (2004, LNCS 3125, colocated with AMAST 2004). MPC 2006 received 45 submissions. Each submission was reviewed by four Programme Committee members or additional referees. The committee decided to accept 22 papers. In addition, the programme included three invited talks by Robin Cockett (University of Calgary, Canada), Olivier Danvy (Aarhus Univ- sitet, Denmark) and Oege de Moor (University of Oxford, UK). The review process and compilation of the proceedings were greatly helped by Andrei Voronkov's EasyChair system that I can only recommend to every programme chair. MPC 2006 had one satellite workshop, the Workshop on Mathematically Structured Functional Programming, MSFP 2006, organized as a "small" wo- shop of the FP6 IST coordination action TYPES. This took place July 2, 2006.



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