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Preface

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PREFACE

Berthe Y. Choueiry, Bob Givan

The Tenth International Symposium on Artificial Intelligence and Mathematics (ISAIM 2008) gathered a fine and distinguished crowd of researchers active in mathematics, theoretical computer science, and artificial intelligence. The three-day meeting, held from January 2 to 4, 2008, in Fort Lauderdale, featured invited talks by keynote speakers David McAllester, Francesca Rossi and Naftali Tishby. The program also included special sessions on "Computation and Social Choice" (organized by Toby Walsh), "Effective Exploration in Active Learning and Reinforcement Learning" (organized by Pascal Poupart), and "Logic in Artificial Intelligence" (organized by Michael Kaminski and Miroslaw Truszczynski, and the subject of a separate special issue of the *Annals of Mathematics and Artificial Intelligence* in August 2008). The main program of ISAIM 2008 also included a selection of 39 excellent technical papers, each of which was reviewed by three reviewers. The online proceedings of the symposium are available from http://isaim2008.unl.edu.

This special issue presents extended, refereed versions of five papers selected from the accepted papers and invited talks of ISAIM 2008. These selected papers significantly expand on the content of the original contributions discussed during the symposium, and underwent an additional rigorous review process.

As co-editors, we are immensely grateful to the dedication of the authors and reviewers and their responsiveness. The diversity of the topics studied in these papers is a testimony of the vibrancy and dynamism of our research community.

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