Preface

This book contains the papers presented at the 14th International Conference on Field Programmable Logic and Applications (FPL) held during August 30th–September 1st 2004. The conference was hosted by the Interuniversity MicroElectronics Center (IMEC) in Leuven, Belgium.

The FPL series of conferences was founded in 1991 at Oxford University (UK), and has been held annually since: in Oxford (3 times), Vienna, Prague, Darmstadt, London, Tallinn, Glasgow, Villach, Belfast, Montpellier and Lisbon. It is the largest and oldest conference in reconfigurable computing and brings together academic researchers, industry experts, users and newcomers in an informal, welcoming atmosphere that encourages productive exchange of ideas and knowledge between the delegates.

The fast and exciting advances in field programmable logic are increasing steadily with more and more application potential and need. New ground has been broken in architectures, design techniques, (partial) run-time reconfiguration and applications of field programmable devices in several different areas. Many of these recent innovations are reported in this volume.

The size of the FPL conferences has grown significantly over the years. FPL in 2003 saw 216 papers submitted. The interest and support for FPL in the programmable logic community continued this year with 285 scientific papers submitted, demonstrating a 32% increase when compared to the year before. The technical program was assembled from 78 selected regular papers, 45 additional short papers and 29 posters, resulting in this volume of proceedings. The program also included three invited plenary keynote presentations from Xilinx, Gilder Technology Report and Altera, and three embedded tutorials from Xilinx, the Universität Karlsruhe (TH) and the University of Oslo.

Due to the inclusive tradition of the conference, FPL continues to attract submissions from all over the world. The accepted contributions were submitted by researchers from 24 different countries:

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We are grateful to Springer, particularly Alfred Hofmann, for his work in publishing this book.

June 2004

Marcel Plazter
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