

Preface

This volume contains the revised and expanded versions of the papers presented at the 5th International Workshop on the Arithmetic of Finite Fields (WAIFI). The workshop was held in Gebze, Turkey, during September 27–28, 2014.

The final program contained three invited and nine contributed papers, which are all found in this volume. The contributed papers were selected from 17 submissions using a careful refereeing process. At least three and in most cases four referees reviewed each paper. The final decisions were taken only after a clear position could be clarified through additional reviews and comments.

We are very grateful and express our thanks to the Program Committee Chairs, the Program Committee Members, and also to the external reviewers for their great work of reviewing. Their help and cooperation was essential, especially due to the short amount of time available to conduct the reviewing task.

The Program Committee invited Claude Carlet, Ferruh Özbudak, and Francisco Rodríguez-Henríquez to speak on topics of their choice, as related to the WAIFI 2014. We thank them for having accepted. Their contributions provided a valuable framing for the contributed papers.

The Steering Committee also thanks the General Chair, Çetin Kaya Koç, and the Program Co-chairs, Sihem Mesnager and Erkey Savaş for the rigorous work. Furthermore, the Committee thanks Jean-Jacques Quisquater and José Luis Imaña for their valuable help in publicity and web page matters.

Springer has published all previous volumes of the WAIFI Proceedings:

- Ferruh Özbudak and Francisco Rodríguez-Henríquez (Eds.): Arithmetic of Finite Fields, 4th International Workshop, WAIFI 2012, Bochum, Germany, July 16–19, 2012. Springer, LNCS Volume 7369.
- M. Anwar Hasan and Tor Helleseth (Eds.): Arithmetic of Finite Fields, 3rd International Workshop, WAIFI 2010, Istanbul, Turkey, June 27–30, 2010. Springer, LNCS Volume 6087.
- Joachim von zur Gathen, José Luis Imaña, and Çetin Kaya Koç (Eds.): Arithmetic of Finite Fields, 2nd International Workshop, WAIFI 2008, Siena, Italy, July 6–9, 2008. Springer, LNCS Volume 5130.
- Claude Carlet and Berk Sunar (Eds.): Arithmetic of Finite Fields, 1st International Workshop, WAIFI 2007, Madrid, Spain, June 21–22, 2007. Springer, LNCS Volume 4547.

As with the previous volumes, Springer agreed to publish the revised and expanded versions of the WAIFI 2014 papers as an LNCS volume. We thank Alfred Hoffman and Ronan Nugent from Springer for making this possible.

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