



Preface

Peter Boyvalenkov

Institute of Mathematics and Informatics, Bulgarian Academy of Sciences, 1113 Sofia, Bulgaria

E-mail: peter@math.bas.bg

Abstract: *This volume contains selected papers from the Eighth International Workshop on Optimal Codes and Related Topics (OCRT'2017) organized as minisymposium during the conference Mathematical days in Sofia (10-14 July 2017). This workshop was organized by the Institute of Mathematics and Informatics of the Bulgarian Academy of Sciences. There were 37 participants and 26 contributed talks.*

The OCRT-workshops have a long tradition of bringing together scientists whose research is focused on the coding theory with emphasis of optimality properties of codes. These workshops started in 1995 as one of the few conferences in Europe devoted to newest developments in coding theory and cryptography. The venue changes in Bulgaria. The list of the previous workshops is as follows: 1995 and 1998 – Sozopol, 2001 – Sunny Beach, 2005 – Pamporovo, 2007 – White Lagoon (Balchik), 2009 – Varna, and 2013 – Albena. In this volume a collection of 8 articles (extended versions of talks) is presented covering latest developments in the following interlinked areas:

- Structure and properties of linear codes;
- Optimality problems for various classes of codes;
- Algebraic geometry codes;
- Decoding of linear codes;
- Combinatorial algorithms.

Peter Boyvalenkov

Guest Editor