

## PREFACE

The XVII-th International Summer Conference on Probability and Statistics was held from 25 June to 1 July 2016 in Pomorie, Bulgaria. This conference gave continuity to a long series of previous meetings and summer schools organized with the aim to facilitate the exchange of research ideas in the field of probability and statistics and related applications. Traditionally Seminar on Statistical Data Analysis and Workshop on Branching Processes and Applications was accompanied events.

Co-organizers of the event are:

- Bulgarian Statistical Society
- Institute of Mathematics and Informatics of the Bulgarian Academy of Sciences
- Faculty of Mathematics and Informatics of the University of Sofia “St. Kliment Ohridski”

It was attended by more than 60 participants from 12 countries from all over the world. Invited talks were delivered by Gleb Haynadski (Nebraska Medical Center, USA); Ines del Puerto (University of Extremadura, Badajoz, Spain); Jose Alfredo Lopez Mimbela (CIMAT, Mexico); Miguel Gonzales (University of Extremadura, Badajoz, Spain); Mladen Savov (IMI, Bulgarian Academy of Sciences, Bulgaria); Vladimir Vatutin (Steklov Mathematical Institute, Russia).

The papers presented at the conference and the accompanied workshop and seminar maintained a good balance between the theoretical and practical aspects of stochastics, showing it to be an area of active and interesting research. Short contributed papers and abstracts were published in the preliminary volume of Conference Proceedings and Abstracts. They are available on the conference website <http://www.math.bas.bg/~statlab/ISCPS2016/>.

This volume consists of 10 papers. The organizers greatly appreciate the major response from the participants to submit contributions to the Proceedings. All of them have been thoroughly reviewed. We would like to acknowledge the reviewers who helped improve the papers. We would also like to thank all the people who actively participated in organizing the conference, especially to Rossen Krachunov, Assen Tchorbadjieff and Nikolay I. Nikolov, and those entities which provided financial and scientific support.

Eugenia Stoimenova

Maroussia Slavtchova-Bojkova

Editors and Conference co-chairs of the Organizing Committee