

# Preface

Along the past ten years the IWFOS meetings went hand-in-hand with the developments in Functional Data Analysis. After the success of the first editions (Toulouse 2008, Santander 2011 and Stresa 2014), this fourth one has been organized in A Coruña in June 2017. This volume presents a wide scope of works presented during this event. By following the orientation started along the last edition in Stresa, this meeting has been opened to contributions in other related fields in modern statistics such as Big Data Analysis and High Dimensional Statistical Modeling.

Diversity has always been an important tradition in IWFOS meetings, and this is appearing at different levels along this volume. First of all, the scope of contributions covers most of the challenging questions arising in Infinite and/or High Dimensional Statistical problems. Secondly, diversity appears through the nature of the contributions going from the most theoretical developments to the most applied ones. Finally, diversity is also in the contributors themselves, who include both high level senior statisticians and promising young active researchers coming from different parts of the world.

We would like to thank very much all the authors that presented their work in IWFOS 2017 -not only those appearing in this book- and also those who attended the workshop. This list would be very long, so we just mention them collectively. Our special gratitude is for John Aston (Cambridge, UK), Alexander Aue (Davis, USA), Antonio Cuevas (Madrid, Spain), Aurore Delaigle (Melbourne, Australia), Jeff Goldsmith (Columbia, USA), Stephan Huckemann (Göttingen, Germany), Alicia Nieto-Reyes (Santander, Spain), Victor Panaretos (Lausanne, Switzerland), Paula Raña (A Coruña, Spain) and Laura Sangalli (Milano, Italy) for having kindly accepted to take part in our conference as Invited Speakers. Also, the efforts of all the members of the Scientific Committee, both for promoting the meeting and for their scientific expertise along the reviewing process of the abstracts, are particularly appreciated. We wish to address special thanks to Ana Aguilera (Granada, Spain), Graciela Boente (Buenos Aires, Argentina), Pedro Delicado (Barcelona, Spain), Aldo Goia (Novara, Italy), Wenceslao González-Manteiga (Santiago de Compostela, Spain), Sonja Greven (München, Germany), Siegfried Hörmann (Bruxelles, Belgium), Marie Hušková (Prague, Czech Republic), Steve Marron (North Carolina, USA), Juhyun

Park (Lancaster, UK), Dimitris Politis (San Diego, USA), Juan Romo (Madrid, Spain), Piercesare Secchi (Milano, Italy), Han Lin Shang (Camberra, Australia) and Sara van de Geer (Zürich, Switzerland). Our gratitude is also extended to the current Editors-in-Chief of the Journal of Multivariate Analysis and Computational Statistics, who kindly accepted our proposal for special issues on Functional Data Analysis and related topics.

We also would like to thank all the institutions that have supported IWFOs 2017: the University of A Coruña (UDC), the Foundation Pedro Barrié de la Maza, Springer International Publishing, the International Society for Non Parametric Statistics (ISNPS), the Spanish Society for Statistics and Operations Research (SEIO), the Galician Society for Promotion of Statistics and Operations Research (SGAPEIO), the Université Franco-Italienne / Università Italo-Francese, the Galician Network on Cloud and Big Data Technologies -funded by Xunta de Galicia-, the Research Center for Information and Communication Technologies (CITIC), the Institut de Mathématiques of Toulouse, and the Research Group on Modeling, Optimization and Statistical Inference (MODES).

Nothing would have been possible without the hard work of many people. Our last thanks go to Rubén Fernández-Casal, Mario Francisco-Fernández, Salvador Naya, Paula Raña, Javier Tarrío-Saavedra, José Antonio Vilar and Juan Manuel Vilar from A Coruña, to Ernesto Salinelli from Novara and to Sylvie Viguiet-Pla from Toulouse for their active participation in the Organizing Committee, and to Veronika Rosteck and Alice Blanck from the Springer's team.

A Coruña  
June 2017

*Germán Aneiros  
Enea G. Bongiorno  
Ricardo Cao  
Philippe Vieu*

Functional Statistics and Related Fields

Aneiros, G.; Bongiorno, E.G.; Cao, R.; Vieu, P. (Eds.)

2017, XXIV, 288 p. 40 illus., Softcover

ISBN: 978-3-319-55845-5