Editorial

Special Issue on functional analysis, approximation theory and numerical analysis (FAATNA20>22)

The Conference "Functional Analysis, Approximation Theory and Numerical Analysis" (FAATNA20>22) was held in Matera (Italy), at University of Basilicata's Campus from July 5 to 8, 2022. The aim of the conference was to bring together experts in Functional Analysis, Approximation Theory and Numerical Analysis to facilitate idea exchanges, foster collaborations, and explore future developments and trends. The topics covered in the conference encompassed all aspects of numerical analysis, emphasizing its profound connection with functional analysis and approximation theory, while showcasing intriguing applications across various fields.

The event featured 8 Plenary Lectures, 13 Special Sessions on thematic subjects, and a Contributed Poster Session, attracting approximately 250 mathematicians from over 30 different countries. The attendees participated with great interest and sincere enthusiasm, appreciating the warm and friendly atmosphere.

The Organizing Committee, chaired by Donatella Occorsio and including members Mirella Cappelletti Montano, Maria Carmela De Bonis, Concetta Laurita, Vita Leonessa, Incoronata Notarangelo, and Maria Grazia Russo, extends its gratitude to all those who contributed to the conference's success. Special thanks are due to the members of the Scientific Committee, including Lidia Aceto, Octavian Agratini, Alessandra Aimi, Angela Albanese, Carlo Bardaro, Elena Berdysheva, Paolo Boggiatto, Michele Campiti, Maria Rosaria Capobianco, Clemente Cesarano, Vittorio Colao, Dajana Conte, Rosario Corso, Raffaele D'Ambrosio, Francesco Dell'Accio, Stefano De Marchi, Alessandra De Rossi, Teresa Diogo, Luisa Fermo, Frank Filbir, Elisa Francomano, Zdzislaw Jackiewicz, András Kroó, Ilaria Mantellini, Eleonora Messina, Luigi Muglia, Sotiris Notaris, Beatrice Paternoster, Henrik Laurberg Pedersen, Michela Redivo Zaglia, Giuseppe Rodriguez, Maria Lucia Sampoli, Carmela Scalone, Letizia Scuderi, Alessandra Sestini, Miodrag Spalević, Marija Stanić, Woula Themistoclakis, Camillo Trapani, Marco Vianello, for their invaluable cooperation in organizing the conference.

This volume contains carefully selected papers, accepted after a rigorous peer-review process, in line with the standard of the Elsevier Applied Numerical Mathematics. We would like to express our sincere gratitude to Rosamaria Spitaleri, President of IMACS, and Zdzislaw Jackiewicz, one of the Editors in Chief of the Elsevier Applied Numerical Mathematics, for agreeing to publish this special issue and also to thank France Pinon, Editorial Office Manager, for the valuable assistance offered during the publication process. Finally, we are grateful to all the anonymous referees for their insightful and accurate work.

Guest Editors:

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