Preface

Delfim F. M. Torres

Center for Research and Development in Mathematics and Applications
Department of Mathematics, University of Aveiro, Aveiro, Portugal
delfim@ua.pt

Mokhtar Kirane

Laboratoire de Mathématiques, Image et Applications (MIA)
Université de La Rochelle, La Rochelle, France
mokhtar.kirane@univ-lr.fr

Agnieszka B. Malinowska

Department of Mathematics, Faculty of Computer Science
Bialystok University of Technology, Białystok, Poland
a.malinowska@pb.edu.pl

Moulay Rchid Sidi Ammi

AMNEA Group, Department of Mathematics
Faculty of Sciences and Technics
Moulay Ismaïl University, Errachidia, Morocco
sidiammi@ua.pt

This special issue comprises fourteen original research articles that were carefully selected among works presented at *The International Meeting on Applied Mathematics in Errachidia* (IMAME'2012), held at the Faculty of Sciences and Technics of the Moulay Ismail University, Errachidia, Morocco, April 23–26, 2012.

IMAME'2012 gathered researchers from several countries to discuss broad topics from Optimization and Variational Analysis, Mathematical Systems Theory, Ordinary and Partial Differential Equations, Geometric Nonlinear Control, Fractional Calculus, Calculus on Time Scales, and their Applications. There were five plenary lectures and forty one communications on ongoing current research, which play an important role in all fundamental sciences and engineering applications.

Each paper in this special issue has been carefully scrutinized, having passed the standard refereeing process. Our editorial task was made lighter by the service of unrewarded but dedicated referees: we offer them our heartfelt thanks.

We take this opportunity to thank again all the contributors and participants of IMAME'2012, and all authors for submitting their work for possible publication. A special thanks goes to Professor El Hassan El Kinani, from the Faculty of Sciences and Technics, Moulay Ismail University, who made the meeting possible; to Cristiana J. Silva, from CIDMA, University of Aveiro, who took care of all issues related with the web site of the meeting (`https://sites.google.com/site/mpappliedmathematics2012`); and to all the members of the Local Organizing Committee, for a splendid organization at all levels. Thanks to the work of all those people, the meeting was unique and unforgettable. We would like also to acknowledge the generous support of the Moulay Ismail University, Faculty of Sciences and Technics of Errachidia, CNRST-Morocco and Errachidia Province.

Last but not least, we would like to thank Professor Martin Bohner, Editor-in-Chief of *Advances in Dynamical Systems and Applications*, for accepting our proposal to form this volume.

The Guest Editor-in-Chief,
Delfim F. M. Torres, Portugal

The Guest Editors,
Mokhtar Kirane, France
Agnieszka B. Malinowska, Poland
Moulay Rchid Sidi Ammi, Morocco