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Editors

Theory and Applications of Difference Equations and Discrete Dynamical Systems

ICDEA, Sultan Qaboos University, Muscat,
Oman, May 26–30, 2013

 Springer

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Preface

The International Conference on Difference Equations and Applications (ICDEA) is held annually under the auspices of the International Society of Difference Equations. At these conferences, leading mathematicians from around the world assemble to discuss and present their research in the theory, analysis, and applications of difference equations, discrete time dynamical systems, and related disciplines. The 19th annual conference (ICDEA 2013) was held at Sultan Qaboos University, Muscat, Oman, May 26–30, 2013.

At ICDEA 2013, ten invited speakers delivered plenary talks on various topics of discrete dynamical systems and difference equations and their applications to natural sciences. The opening plenary address was given by Professor Michal Misiurewicz who was awarded, at the conference, the second biannual Aulbach Prize by the International Society of Difference Equations in recognition of his significant contributions to difference equations and discrete dynamical systems. Included among the more than 60 talks presented at the conference were those in four special sessions on Applications of Dynamical Systems with Delays, Difference Equation Applications in the Biological Sciences, Continuous Dynamical Systems, and Topological Dynamics.

These proceedings contain articles written by participants at ICDEA 2013 and were selected by our panel of referees to ensure quality of scientific content. Four of the articles are survey papers prepared by the plenary speakers Azmy Ackleh, Arno Berger, Eduardo Liz, and Hinke Osinga.

Our gratitude and appreciation go to the organizers for their efforts that made possible the success of the conference; the members of the scientific committee who ensured the high standards of the conference's scientific activities; the administration of Sultan Qaboos University for providing its facilities and resources to conference participants; and last but not least, the sponsors for their generous financial contributions.

Ziyad AlSharawi
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