

Preface

The 2013 International Conference on Mathematical Sciences and Statistics (ICMSS2013) was held in Kuala Lumpur, Malaysia on 5–7th February, 2013. This conference is aimed to bring together scholars, leading researchers, and experts from diverse backgrounds and applications areas in mathematical sciences and statistics. Special emphasis is placed on promoting the interaction between the theoretical, experimental, and applied communities, so that a high-level exchange in new and emerging areas within mathematics, statistics, and its related applications in sciences is achieved. We are pleased that many friends and colleagues, postgraduate students as well as many practitioners and other scientists, were attracted by the goals of this recent event and offered to contribute to its success.

This volume contains 29 articles chosen from 172 contributions presented at ICMSS 2013. These were selected with a careful eye to their scientific quality and relevance to the specific topics of the conference, or more general methods and tools for statistical analysis. The articles explore a variety of topics, including mathematical analyses, probability, statistics, algebra, geometry, mathematical physics, wave propagation, stochastic processes, ordinary and partial differential equations, boundary value problems, linear operators, cybernetics, and number and functional theory.

We are grateful to the Department of Mathematics, Faculty of Science, Universiti Putra Malaysia (UPM), and all those who have supported the conference, and in particular the members of the organizing committee, for their dedication and activity. We would like to thank the authors for their valuable contributions, the referees for their priceless efforts of reviewing the manuscripts, and Professor Dr. Fudziah Ismail, Head of Department of Mathematics, UPM for encouraging us and making this volume realized.

November, 2013

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Selected Papers

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