

# Preface

A large international conference on Advances in Engineering Technologies and Physical Science was held in Hong Kong during 12–14 March 2014, under the International MultiConference of Engineers and Computer Scientists 2014 (IMECS 2014). The IMECS 2014 is organized by the International Association of Engineers (IAENG). IAENG is a non-profit international association for engineers and computer scientists, which was founded originally in 1968 and has been undergoing rapid expansions in recent few years. The IMECS conference serves as a good platform for the engineering community to meet with each other and to exchange ideas. The conference has also struck a balance between theoretical and application development. The conference committees have been formed with over 300 committee members who are mainly research center heads, faculty deans, department heads, professors, and research scientists from over 30 countries with the full committee list available at our conference website (<http://www.iaeng.org/IMECS2014/committee.html>). The conference is truly international meeting with a high level of participation from many countries. The response that we have received for the conference is excellent. There have been more than 600 manuscript submissions for IMECS 2014. All submitted papers have gone through the peer-review process and the overall acceptance rate is 51.24 %.

This volume contains 33 revised and extended research articles written by prominent researchers participating in the conference. Topics covered include engineering physics, engineering mathematics, scientific computing, control theory, artificial intelligence, electrical engineering, communications systems, and industrial applications. The book offers the state of art of tremendous advances in engineering technologies and physical science and applications, and also serves as an excellent reference work for researchers and graduate students working with/on engineering technologies and physical science and applications.

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