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# IAENG TRANSACTIONS ON ENGINEERING SCIENCES

Special Issue for the International Association of Engineers Conferences 2015

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# PREFACE

Two large international conferences on Advances in Engineering Sciences were held in Hong Kong, March 18–20, 2015, under the International MultiConference of Engineers and Computer Scientists (IMECS 2015), and in London, U.K., 1–3 July, 2015, under the World Congress on Engineering 2015 (WCE 2015) respectively. The IMECS 2015 and WCE 2015 are organized by the International Association of Engineers (IAENG). IAENG is a non-profit international association for the engineers and the computer scientists, which was founded originally in 1968 and has been undergoing rapid expansions in recent few years. The conferences serve as good platforms for the engineering community to meet with each other and to exchange innovative research ideas. The conferences have also struck a balance between theoretical and application development. The conference committees have been formed with over six hundred committee members who are mainly research center heads, faculty deans, department heads, professors, and research scientists from over 30 countries with committee member details available at:

http://www.iaeng.org/IMECS2015/committee.html
http://www.iaeng.org/WCE2015/committee.html

The conferences are truly international meetings with a high level of participation from many countries. The response that we have received for the congresses is excellent. There have been more than six hundred manuscript submissions for the IMECS 2015. All submitted papers have gone through the peer review process and the overall acceptance rate is 50.73%. For the WCE 2015, there have been more than seven hundred manuscript submissions. All submitted papers have gone through the peer review process and the overall acceptance rate is 50.63%.

This volume contains 35 revised and extended research articles written by prominent researchers participating in the conferences. Topics covered include engineering mathematics, computer science, electrical

engineering, manufacturing engineering, industrial engineering, and industrial applications. The book offers the state of the art of tremendous advances in engineering sciences and also serves as an excellent reference work for researchers and graduate students working with/on engineering sciences.

Sio-Iong Ao
Alan Hoi-shou Chan
Hideki Katagiri
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