

# Preface

A large international conference on Advances in Engineering Technologies and Physical Science was held in London, U.K., 2–4 July, 2014, under the World Congress on Engineering 2014 (WCE 2014). The WCE 2014 is organized by the International Association of Engineers (IAENG); the Congress details are available at: <http://www.iaeng.org/WCE2014>. IAENG is a non-profit international association for engineers and computer scientists, which was founded originally in 1968. The World Congress on Engineering serves as good platforms for the engineering community to meet with each other and to exchange ideas. The conferences have 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. The congress is truly global international event with a high level of participation from many countries. The response to the Congress has been excellent. There have been more than 900 manuscript submissions for the WCE 2014. All submitted papers have gone through the peer review process, and the overall acceptance rate is 51 %.

This volume contains 51 revised and extended research articles written by prominent researchers participating in the conference. Topics covered include mechanical engineering, bioengineering, internet engineering, wireless networks, signal and image engineering, manufacturing engineering, 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 on engineering technologies and physical science and applications.

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Transactions on Engineering Technologies

World Congress on Engineering 2014

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2015, XI, 773 p. 353 illus., 205 illus. in color., Hardcover

ISBN: 978-94-017-9803-7