

Preface

A large international conference on Advances in Engineering Technologies and Physical Science was held in San Francisco, California, USA, October 21–23, 2015, under the auspices of the World Congress on Engineering and Computer Science (WCECS 2015). The WCECS 2015 was organized by the International Association of Engineers (IAENG). IAENG, originally founded in 1968, is a non-profit international association for the engineers and the computer scientists. The WCECS Congress serves as an excellent platform for the members of the engineering community to meet and exchange ideas. The congress in its long history has found a right balance between theoretical and application development, which has attracted a diverse group of researchers, leading to its rapid expansion. The conference committees have been formed with over two hundred members including research center heads, deans, department heads/chairs, professors, and research scientists from over 30 countries. The full committee list is available at the congress' web site: www.iaeng.org/WCECS2015/committee.html. WCECS conference is truly an international meeting with a high level of participation from many countries. The response to WCECS 2015 conference call for papers was outstanding, with more than six hundred manuscript submissions. All papers went through a rigorous peer-review process and the overall acceptance rate was 50.89 %.

This volume contains 42 revised and extended research articles, written by prominent researchers, participating in the congress. Topics include engineering mathematics, electrical engineering, communications systems, computer science, chemical engineering, systems engineering, manufacture engineering, and industrial applications. This book offers the state of the art of tremendous advances in engineering technologies and physical science and applications; it also serves as an exceptional source of reference for researchers and graduate students working with/on engineering technologies and physical science and applications.

Hong Kong, Hong Kong
Daegu, South Korea
New Orleans, LA, USA

Sio-Iong Ao
Haeng Kon Kim
Mahyar A. Amouzegar

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