

# Advances in Communication Systems and Electrical Engineering

# **Lecture Notes in Electrical Engineering**

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Xu Huang, Yuh-Shyan Chen, and Sio-Iong Ao

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# Advances in Communication Systems and Electrical Engineering

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# Preface

A large international conference on Communication Systems and Electrical Engineering was held in Hong Kong on March 21–23, 2007, under the International MultiConference of Engineers and Computer Scientists IMECS 2007. The IMECS 2007 is organized by the International Association of Engineers (IAENG), which is a nonprofit international association for the engineers and computer scientists. The IMECS conferences serve as good platforms for the engineering community to meet with each other and exchange ideas. The conferences also struck a balance between theoretical and application development. The conference committees have been formed with over two hundred committee members who are mainly research center heads, faculty deans, department heads, professors, and research scientists from over 30 countries. The conferences are truly international meetings with a high level of participation from many countries. The response that we have received from the MultiConference is excellent. There have been more than 1,100 manuscript submissions for the IMECS 2007. All submitted papers have gone through the peer review process and the overall acceptance rate is 58.46 percent.

This volume contains revised and extended research articles written by prominent researchers participating in the IAENG International Conference on Communication Systems and Applications, the IAENG International Conference on Internet Computing and Web Services, and the IAENG International Conference on Electrical Engineering of the MultiConference IMECS 2007. Topics covered include communications theory, communications protocols, network management, wireless networks, telecommunication, electronics, power engineering, signal processing, and industrial applications. The papers are representative of those subjects that sit on the top end of high technologies. The book offers state of the art advances in communication systems and electrical engineering and also serves as an excellent reference work for researchers and graduate students working with or in the communication systems and electrical engineering fields.

Xu Huang  
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