

## Preface

A large international conference, Intelligent Systems and Computer Engineering, was held in Hong Kong, 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), a nonprofit international association for engineers and computer scientists. The IMECS conferences serve as good platforms for the engineering community to meet with each other and to exchange ideas. The conferences also strike 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 thirty countries. The conferences are truly international meetings with a high level of participation from many countries. The response that we have received for the multiconference is excellent. There have been more than one thousand one hundred manuscript submissions for the IMECS 2007. All submitted papers have gone through the peer review process and the overall acceptance rate is 58.46%.

This volume contains revised and extended research articles on intelligent systems and computer engineering written by prominent researchers participating in the multiconference IMECS 2007. There is huge demand, not only for theories but also applications, for the intelligent systems and computer engineering in the society to meet the needs of rapidly developing top-end high technologies and to improve the increasing high quality of life. Topics covered include automated planning, expert systems, machine learning, fuzzy systems, knowledge-based systems, computer systems organization, computing methodologies, and industrial applications. The papers are representative of these subjects. The book offers state-of-the-art tremendous advances in intelligent systems and computer engineering and also serves as an excellent reference work for researchers and graduate students working with intelligent systems and computer engineering.

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