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Preface

This book is the proceedings of the Third International Conference on Fuzzy Information and Engineering (ICFIE 2009) held in the famous mountain city Chongqing in Southwestern China, from September 26-29, 2009. It is published by Springer-Verlag (Advances in Soft Computing, ISSN: 1615-3871).

This year, we have received 405 submissions. Each paper has undergone a rigorous review process. Only high-quality papers are included. The ICFIE 2009, built on the success of previous conferences, the ICFIE 2007 (Guangzhou, China), is a major symposium for scientists, engineers and practitioners in the world to present their updated results, ideas, developments and applications in all areas of fuzzy information and engineering. It aims to strengthen relations between industry research laboratories and universities, and to create a primary symposium for world scientists in fuzzy fields as follows:

- 1) Fuzzy Information;
- 2) Fuzzy Sets and Systems;
- 3) Soft Computing;
- 4) Fuzzy Engineering;
- 5) Fuzzy Operation Research and Management;
- 6) Artificial Intelligence;
- 7) Fuzzy Mathematics and Systems in Applications, etc.

The book, containing 187 papers, is divided into seven main parts:

In Section I, 54 papers focuses on “Fuzzy Information”.

In Section II, 27 papers on “Fuzzy Sets and Systems”.

In Section III, 33 papers on “Soft Computing”.

In Section IV, 28 papers on “Fuzzy Engineering”.

In Section V, 17 papers on “Fuzzy Operation Research and Management”.

In Section VI, 10 papers on “Artificial Intelligence”.

In Section VII, 17 papers on “Fuzzy Mathematics and Systems in Applications”.

In addition to the large number of submissions, we are blessed with the presence of eight renowned keynote speakers and several distinguished panelists and we shall organize workshops.

On behalf of the Organizing Committee, we appreciate Chongqing University of Science & Technology in China, Fuzzy Information and Engineering Branch of the Operation Research Society of China for sponsorship. We are grateful to the supports coming from National Natural Science Foundation of China and Fuzzy Information and Engineering Branch of International Institute of General Systems Studies China Branch (IIGSS-GB) for co-sponsorships. We are grateful to the supports coming from the two international magazines published by Springer-Verlag GmbH: Fuzzy Optimization and Decision Making (FODM) and Fuzzy Information and Engineering. We are showing gratitude to the members of the Organizing Committee, the Steering Committee, and the Program Committee for their hard work. We wish to express our heart-felt appreciation to the keynote and panel speakers, workshop organizers, session chairs, reviewers, and students. In particular, I am thankful to Lady Y.Y. Su, who has contributed a lot to the development of this issue. Meanwhile, we thank the publisher, Springer, for publishing the ICFIE 2009 proceedings as *Advances in Soft Computing (ASC)* (ASC 40 in ICFIE 2007 and ASC 54 in FIESC 2008 published by the Springer Publisher, which have been included into ISTEP). Finally, we are appreciated for all the authors and participants for their great contributions that made this conference possible and all the hard work worthwhile.

June 2009
Chongqing

Bing-yuan Cao
Tai-fu Li
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