

Preface

Welcome to the proceedings of the Eleventh International Conference on Management Science and Engineering Management (ICMSEM 2017), which will be held from July 28 to 31, 2017, at Kanazawa, Japan. The International Conference on Management Science and Engineering Management (ICMSEM) is an annual conference organized by the International Society of Management Science and Engineering Management (ISMSEM). The conference is to foster international research collaborations in Management Science and Engineering Management as well as to provide a forum for presenting current research work in the forms of technical sessions, roundtable discussions during the conference period in a nice relaxing enjoyable atmosphere. The participants can share their academic achievements in MS and EM, and communicate with others during the conference.

The ICMSEM has been held ten times since 2007 in meeting locations across Asia, Europe, and the Americas and has had a great influence on MS and EM research. In the past ten years, the ICMSEM has been successfully held in Chengdu, Chongqing, Bangkok, Chungli, Macau, Islamabad, Philadelphia, Lisbon, Karlsruhe, and Baku. All accepted papers were put into the proceedings for each International Conference on Management Science and Engineering Management and proceedings for the last five conferences can be retrieved from EI Compendex.

This year, 939 papers from 32 countries were received and 150 papers from 20 countries accepted for presentation or poster display at the conference. These papers were from Algeria, Australia, Azerbaijan, Bangladesh, Canada, China, Indonesia, Iran, Iraq, Japan, Korea, the Republic of Moldova, Pakistan, Portugal, Spain, Thailand, the UK, the USA, Uzbekistan, and Vietnam. Each accepted paper was reviewed by three reviewers, who gave objective and helpful revision advice to the authors where necessary, which has made these conference proceedings of very high quality. The papers in the proceedings have been classified into eight sections: Computing Methodology, Data Analysis, Enterprise Operation Management, Decision Support System, Green Supply Chain, Resource Optimization Management, Risk Control, and Integrated Project Management. The key issues at the eleventh ICMSEM covered many areas of current popularity in Management Science and Engineering Management. To further encourage state-of-the-art

research in the field of Management Science and Engineering Management, the ISMSEM Advancement Prize for Management Science and Engineering Management was awarded for the excellent papers at the conference.

We would like to take this opportunity to thank all participants, all of whom worked exceptionally hard to ensure this conference was a success. We want to express our sincere gratitude to the following prestigious academies and institutions for their high-quality papers and great support for the ICMSEM: the Azerbaijan Academy of Sciences, the Moldova Academy of Sciences, Academy of Sciences of the Republic of Uzbekistan, Fuzzy Logic Systems Institute, and Tokyo University of Science, Brock University. We would also like to acknowledge the assistance we received from the International Society of Management Science and Engineering Management, Kanazawa University, and Sichuan University for the conference organization. We also appreciate Springer-Verlag for the publication of the proceedings. We are grateful to Professor Yoshihiko Uesugi as the General Chair, Professor Mitsuo Gen and Professor Hidetaka Nambo for their work as the Organizing Committee Chair, and Professor Takashi Oyabu as Local Arrangement Committee Chair. We appreciate the great support received from all members of the Organizing Committee, the Local Arrangement Committee, and the Program Committee as well as all participants. Finally, we would like to thank all researchers for their excellent conference papers. Because of the high quality of the research, the ISMSEM Advancement Prize for MSEM is to be awarded again for papers which have focused on innovative practical applications for Management Science and Engineering Management.

As MSEM research is in continuous development, many new MSEM development trends have emerged. Our work needs to continue to focus on MSEM development so as to encourage greater and more innovative development activity. Next year, we plan to continue the novel and successful ICMSEM and intend to increase our efforts to improve the quality of the proceedings and to recommend more excellent papers for the ISMSEM Advancement Prize. The Twelfth International Conference on Management Science and Engineering Management will be hosted by Monash University, Melbourne, Australia, in July 2018. Professor Lee has been nominated as the Organizing Committee Chair for the 2018 ICMSEM. We sincerely hope you can submit your new MSEM findings and share your ideas in Melbourne, Australia.

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Jiuping Xu
Mitsuo Gen
Asaf Hajiyeu
Fang Lee Cooke

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