Lecture Notes in Management and Industrial Engineering

Series editor
Adolfo López-Paredes, Valladolid, Spain
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Preface

The Australian Society for Operations Research (ASOR) was established on the 1 January 1972. ASOR is associated with the International Federation of Operational Research Society (IFORS). Today, the society has more than 400 members nationwide and is expanding. The society runs an annual conference. 2016 witnessed the 24th edition of the ASOR conference with 120+ attendees and a programme spanning four days of interesting presentations and workshops.

This book is the culmination of the papers accepted at the conference. The event witnessed 72 technical presentations, out of which this book contains 29 chapters representing the papers accepted as full papers. Each submission was reviewed by two independent reviewers.

The conference was held at the University of New South Wales, Canberra Campus, located at the Australian Defence Force Academy. The event also hosted the Defence Operations Research Symposium (DORS). Four high calibre speakers gave plenary talks. These were Dr. Pamela Blechinger, Director US Army TRADOC Analysis Center; Dr. Stephan De Spiegeleire, Principal Scientist, Haque Centre for Strategic Studies, the Netherlands; Dr. Jamie Morin, Director, Cost Assessment and Program Evaluation (CAPE); and Dr. Haris Aziz, Senior Research Scientist, Data 61 (CSIRO), and Conjoint Senior Lecturer (UNSW).

The Editors of this book wish to take this opportunity to thank all attendees and the operations research community in Australia for supporting the event. Our deep appreciations go to members of the organising committee of the event, who made this happen: Mr. Arvind Chandran, Dr. Sharon Boswell, Dr. Sondoss El-Sawah, Dr. George Leu, Dr. Donald Lowe, and Dr. Jiangjun Tang.

We also wish to thank the organisations that supported this year’s conference: the University of New South Wales, Canberra Campus, located at the Australian
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Australia
October 2016

Ruhul Sarker
Hussein A. Abbass
Simon Dunstall
Philip Kilby
Richard Davis
Leon Young

Defence Force Academy; the Defence Science and Technology Group, Department of Defence, Australia; Data 61, Commonwealth Scientific and Industrial Research Organisation (CSIRO), Australia; and the Australian Society for Operations Research.
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