

GUEST EDITORIAL PREFACE

Special Issue on Multi-Criteria Decision Making Approaches

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This IJDSST Special Issue on “Multi-criteria Decision Making Approaches” includes selected papers from the Joint International Conference of the INFORMS Group Decision and Negotiation (GDN) Section and the EURO Working Group on Decision Support Systems (DSS) in Toulouse (France), June 10th-13th, 2014, as well as selected papers from the DSS Stream from the 20th Conference of the International Federation of Operational Research Societies (IFORS) in Barcelona (Spain), July 13th – 18th, 2014.

The goal of this Special Issue is to present recent advances in Multi-Criteria Decision Making (MCDM), both theoretic and application oriented. We are proud to have selected a well-balanced selection of high quality papers. The 4 papers included in this volume tackle several important issues in MCDM from different perspectives. The first paper by

António Arrais-Castro, Leonilde Varela, Goran Putnik, Rita Ribeiro, and Fatima Dargam, proposes using a dynamic MCDM model for selecting business partners in collaborative-networked organizations. The second paper by Ksenija Mandić, Boris Delibašić and Dragan Radojević, addresses modelling interactions and interdependencies between criteria for supplier selection with a fuzzy logic approach that is consistent with the Boolean algebra, i.e. Interpolative Boolean Algebra (IBA). The third paper by Vjekoslav Bobar, Ksenija Mandić, and Milija Suknović, proposes a fuzzy DSS for public procurement in the Republic of Serbia. The fourth paper by Yi Xiao, Keith Hipel, and Liping Fang proposes a Graph Model for Conflict Resolution (GMCR) approach to handle conflict resolution in the Alberta oil sands in Canada).

We are quite pleased to have included in this IJDSST Special Issue this set of high quality and interesting pieces of research, authored by professionals coming from different research institutions across different continents.

Further, we are rather grateful to all reviewers as well as authors, for all the collaboration and work they have put into making this special issue a success. We hope that you also enjoy as much reading it and that you can eventually refer to its contents in your future research.

Boris Delibašić

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Guest Editors

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The guest-editors of this Special Issue wish to acknowledge their gratitude for the prompt and highly constructive reviews received from the researchers in the various phases of this Issue's reviewing process.

Boris Delibašić is Associate Professor at the University of Belgrade, Faculty of Organizational Sciences (School of Management). In 2007 he received his PhD from the University of Belgrade. From 2012 he holds the current position. Since 2011 he is coordination board assistant at the EURO working group on Decision Support Systems (EWG-DSS). His main research interests are decision support systems, machine learning algorithm design, business intelligence, and multi-attribute decision making.

Rita A. Ribeiro obtained the B.A. (5 years degree) from Instituto Superior de Economia e Gestao (PT), her M.Sc. from George Washington University (USA) and the PhD from the University of Bristol (UK). Since 2001 she is a senior researcher and coordinator of the Computational Intelligence research group (www.ca3-uninova.org) at UNINOVA. She was a lecturer at the Faculty of Sciences and Technology, University Nova Lisboa from 1984-2000 and since 2007 she is invited associate professor in the Dept. of Electrical Engineering and Computers. She is also the recipient of two 5-year research contracts from the Portuguese Science Foundation (FCT), hosted at UNINOVA. She is a co-funder and since 2007 belongs to the coordination board of EURO working group on Decision Support Systems (EWG-DSS). She has been involved in several national and international research projects, as PI and partner leader in 20 projects financed by ESA (European Space Agency), 4 with national funding and 4 financed by the EU. She published more than 160 scientific articles, mainly in the topics of dynamic decision-making, decision support systems and fuzzy multicriteria decision making.