

Guest Editorial Preface

Special Issue on AI for Intelligent Decision Support Systems

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This IJDSST Special Issue on “AI for Intelligent Decision Support Systems” includes selected papers from the 5th EWG-DSS International Conference on Decision Support System Technology (EmC-ICDSST 2019 – the Euro International Mini Conference on Decision Support System Technology) held in Madeira, Portugal, 27-29 May 2019, and the 30th European Conference on Operational Research (EURO 2019) held in Dublin, Ireland, 23 - 26 June.

The goal of this Special Issue was to present recent advances in artificial intelligence for intelligent decision support systems, both theoretic, and application oriented. We are happy to have selected a sound selection of high-quality research and application oriented papers, devoted to recent advances in AI for intelligent DSS.

The 5 papers included in this volume tackle several important issues in AI for intelligent DSS from different perspectives.

The first paper by Victor Diogho Heuer de Carvalho and Ana Paula Cabral Seixas Costa is titled: Public Security Sentiment Analysis on Social Web: A Conceptual Framework for the Analytical Process and a Research Agenda. The second paper authored by Gianni Fenu and Francesca Maridina Mallocci is named: Lands DSS: A Decision Support System for Forecasting Crop Disease in Souther Sardinia. The third paper by Francis Baumont De Oliveira, Scott Ferson and Ronald Dyer has the title: A Collaborative Decision Support System Framework for Vertical Farming Business Developments. The fourth paper by Naylil Lacerda, João Batista Sarmento dos Santos Neto and Carolina Lino Martins is titled: MCDM model for natural gas pressure reducing station site selection. The fifth paper by Pavlos Delias and Daniela Grigori is titled: Two Problem Formulations for Process Innovation Based on Operations Sophistication.

The selected papers are authored by academics and professionals coming from different research institutions across different continents. We are grateful to all reviewers, and authors, for the collaboration and the work they have put into this special issue. We hope that the reader will find this selection of papers interesting and might use it for their further research projects.

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