

CALL FOR PAPERS

Annals of Operations Research

Special Issue

OR in the Digital Era – ICT Challenges

Within the last couple of decades, the extensive use of digital technologies in most socioeconomic activities has established a digital era that has increased the speed and breadth of knowledge turnover within the economy and society. This new era provides numerous opportunities for applications of operations research in different scientific fields.

The ***Annals of Operations Research*** calls for submissions relating to topics presented at the **6th International Symposium & 28th National Conference on Operational Research, held at the University of Macedonia, in Thessaloniki, Greece, June 8-10, 2017**. The conference is co-organized by the Department of Applied Informatics of the University of Macedonia and the Hellenic Operational Research Society (HELORS).

The deadline for submission is November 1, 2017.

The aim of the Special Issue is to present recent developments in operations research applications, mathematical modeling, and decision making. That is, the first objective is to disseminate recent scientific advances in the field of operations research and management science and the second is to highlight the role and importance of OR in the digital era and the underlying ICT challenges.

Substantially extended versions of conference papers presented at 6th International Symposium & 28th National Conference on Operational Research in Thessaloniki, Greece (2017.uom.gr) will be considered for inclusion in the special issue, in compliance to the editorial policy and standards of ANOR. Such papers must cite the conference paper where appropriate. Additional papers, not presented at the conference, are also welcome for possible publication in the special issue. Contributing papers may employ a number of OR methodologies since they have been eased by the assistance of information technologies (e.g., artificial neural networks, genetic algorithms, decision trees, nearest neighbor method, rule induction, and data visualization). Methodological papers and novel applications in OR related to (but not limited to) the following research issues and areas are welcome:

- business process modelling and optimization
- decision support systems
- e-commerce
- digital economics
- data envelopment analysis and performance benchmarking
- ICT applications
- linear and nonlinear programming
- marketing management
- mathematical modeling and decision making

More issues and areas can be found in the website of the conference:

<http://eeee2017.uom.gr/index.php>

Guidelines for authors can be found at:

<http://www.springer.com/business/operations+research/journal/10479>

Authors should submit a cover letter along with a manuscript by September 1, 2017, via the Journal's online submission platform. Manuscripts submitted after the deadline may not be considered for the special issue but may be transferred to a regular issue.

Please see the Author Instructions on the site if you have not yet submitted a paper through the web-based system. Be sure to note in the Manuscript Comment box text that your work is intended for the special issue and to select the article type "*BALCOR-2017*". Papers will be subject to a thorough review process handled by the Guest Editors, and accepted papers will be available online prior to print publication.

Guest Editors:

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- Kostas Vergidis - University of Macedonia