



Applications of AI and Data Engineering in Science

Guest Editors:

Dr. Fabrizio Marozzo

Department of Informatics,
Modeling, Electronics, and
Systems Engineering (DIMES),
University of Calabria, 87036
Rende, Italy

Dr. Ashraf ALDabbas

Department of Information
Technology Systems and
Networks, Faculty of Informatics,
University of Debrecen, 4032
Debrecen, Hungary

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Message from the Guest Editors

Dear Colleagues,

Since around the middle of the last decade, artificial intelligence has emerged as one of the scientific subfields with the most rapid rate of advancement. However, while many researchers see this as an enormous opportunity for ever-faster product development, lower product manufacturing costs, and increased production efficiency, others are concerned about the possibility of massive layoffs and dependence on technologies, or even the possibility of people who are in possession of intelligent technologies seizing control of the entire world. In most cases, these are just logs, which certify the arrival of items or the starting up of machinery, as well as the time that employees clock in or leave. The use of algorithms enables the automatic identification of the process that is being carried out, as well as the analysis of that process. The dawn of the age of artificial intelligence heralds an increase in production and creativity. Artificial intelligence raises the bar in terms of speed, adaptability, and optimization.

Dr. Fabrizio Marozzo
Guest Editor

Dr. Ashraf ALDabbas
Guest Editor Assistant





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Editor-in-Chief

Prof. Dr. Frank Werner

Faculty of Mathematics, Otto-
von-Guericke-University, P.O. Box
4120, D-39016 Magdeburg,
Germany

Message from the Editor-in-Chief

Algorithms are the very core of Computer Science. The whole area has been considered from quite different perspectives, having led to the development of many sub-communities: Complexity theory (limitations), approximation or parameterized algorithms (types of problems), geometric algorithms (subject area), metaheuristics, algorithm engineering, medical imaging (applications), indicates the range of perspectives. Our journal welcomes submissions written from any of these perspectives, so that it may become a forum for exchange of ideas between the corresponding scientific subcommunities.

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Algorithms Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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