Special Issue

Algorithms in Software Engineering

Message from the Guest Editor

The last two decades have seen significant advances in field of software engineering. This field includes diverse subfields such as system specification, modelling, implementation, testing, analysis, maintenance, software development methodologies, etc. Various methods and algorithms are used for those purposes. This Special Issue is devoted to algorithms used in software engineering and to the issues related to their development and application. We will publish papers that address the topic of algorithms both in terms of presenting new algorithms, and in how to develop and apply them in the contexts of model creation, evaluation and use, tool development, etc. We are also interested in papers devoted to algorithm engineering, i.e., their design, analysis, implementation, profiling, evaluation and application.

Guest Editor

Dr. Piotr Kosiuczenko

Institute of Information Systems, Faculty of Cybernetics, Military University of Technology, Sylwestra Kaliskiego 2, 00-908 Warszawa, Poland

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About the Journal

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.

Editor-in-Chief

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

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