



Optimization Methods for Advanced Manufacturing

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Message from the Guest Editor

Dear Colleagues,

Modern manufacturing systems are becoming increasingly complex due to the increasing degree of automation and the flexibility required for producing customized products. The Fourth Industrial Revolution, which is currently under way, will increase the efficiency of production systems by taking advantage of modern technology. However, technology alone is not enough to achieve optimal performance; without efficient algorithms, optimization is impossible.

This Special Issue will present methods capable of performing the optimization tasks of today's advanced smart factories. We are looking for approaches that can solve different manufacturing problems with either exact or approximate methods. High-quality papers are welcome to address both theoretical and practical issues.

Dr. Tibor Holczinger

Guest Editor





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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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