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Advances in Evolutionary Computation and Applications

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Message from the Guest Editors

In recent years, evolutionary computation has been a proven approach for combinatorial optimisation. From the efficient modelling of several theoretical and applied problems to efficient incomplete search, evolutionary computation is at the forefront of AI-based optimisation. Moreover, the wide applicability of evolutionary computational methods, especially to real-world problems, demonstrates the need for the continued advancement of this field of research.

This Special Issue aims to bring together recent advances in evolutionary computation, with an emphasis on the application of evolutionary optimisation methods to real-world problems, the integration of evolutionary computation with methods from AI and operations research, and improving evolutionary computation via machine learning.

Areas of interest for this Special Issue include (but are not limited to):

- Theoretical and applied studies in evolutionary computation;
- Combining methods from operations research and evolutionary computation (metaheuristics);
- Enhancing evolutionary computational methods via machine learning;
- Applications to real-world and industrial problems;
- Large-scale evolutionary computation.

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Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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