Special Issue

Genetic Algorithm-Based Approaches and Their Applications in Operations Research

Message from the Guest Editors

Genetic algorithms (GAs) are perhaps the most widely known type of evolutionary computation method today. Recently, based on GAs, various hybrid approaches and conventional approaches have been proved to be effective and efficient in many optimization problems. GA-based approaches have also been adapted to logistics/supply chain management, advanced planning/scheduling, and production/distribution planning. The purpose of this Special Issue is to promote, exchange, and disseminate information and research results on GA-based approaches and their applications in operations research. Potential topics include, but are not limited to:

- GA-based approaches (e.g., hybrid GAs, adaptive hybrid GAs, etc.)
- Other intelligent-related algorithms (e.g., Tabu search, Cuckoo search, particle swarm optimization, ant colony optimization, etc.)
- Soft computing and metaheuristics applications in operations research fields (e.g., optimization models, transportation/assignment problems, inventory models, network models, decision analysis, multicriteria decisions, etc.)
- Logistics/supply chain management, advanced planning/scheduling, and production/distribution planning using GA-based approaches.

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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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