

# Special Issue

## Optimization Theory, Method and Application, 2nd Edition

### Message from the Guest Editors

Optimization theory, methods, and applications play increasingly important roles in modern society, assisting in solving optimization challenges arising from nonsmooth optimization problems, stochastic programming, and integer programming, to name a few. This Special Issue will focus on collecting recent research works on topics such as optimality conditions and duality theory, and algorithms and applications for difficult optimization problems, including nonsmooth optimization, stochastic programming, variational inequalities, bilevel programming, integer programming, and combinatorial optimization. Topics of interest include, but are not limited to, the following:

- Optimality conditions for various optimization problems;
- Duality theory for various optimization problems;
- Smoothing algorithms for nonsmooth optimization;
- Stochastic approximation algorithms;
- Proximal algorithms for nonsmooth optimization;
- Cutting plane algorithms;
- Heuristics and metaheuristics for combinatorial optimization;
- Applications in economics;
- Applications in transportation;
- Applications in data mining;
- Applications in network design and machine learning.

### Guest Editors

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### Deadline for manuscript submissions

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## Mathematics

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## About the Journal

### 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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### Editor-in-Chief

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