Portfolio Optimization and Risk Management: New Development and Applications

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Message from the Guest Editors

Portfolio optimization and related risk analysis is one of the central themes in financial mathematics. Since the pioneering work of Markowitz, portfolio theory has had a great impact on both financial theory and applications. Early portfolio theory focused on the trade-off between mean as an indication for reward and variation as a risk measure.

The need in financial practice stimulated the development of more general reward and risk measures. Recently, new frameworks for portfolio theory have begun to emerge. For instance, practically important drawdown risk measures attracted more attention from both researchers and practitioners.

This Special Issue aims to stimulate discussions on new developments of the portfolio theory and their practical applications. We therefore welcome and encourage the submission of high quality papers related, but not limited to, the following topics:

- New framework for portfolio optimization
- Theory on trading strategies (multi-period portfolios)
- Analysis of risk measures
- Applied risk management
- Asset allocation in theory and practice
- Application in finance and elsewhere

Special Issue

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Message from the Editor-in-Chief

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- contribute with insight, outlook, understanding and overview, no matter how simple they are;
- show creativity in pedagogical tricks and techniques;
- help the transfer of theoretical research to public and private application;
- show responsibility for societal impact.

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