Call for Papers
Annals of Operations Research
Special Issue: Application of Operations Research to Financial Markets

The *Annals of Operations Research* invites submissions for a special issue on innovative *Application of Operations Research to Financial Markets*. The call is open to all researchers in this area.

Submitted papers should not have been previously published nor be currently under consideration for publication elsewhere. Papers arising from a conference should be substantially extended, and should cite the conference paper where appropriate.

Financial markets are known for their non-linear, non-stationary, and volatile nature. In this area, Operations Research (OR) techniques are widely applicable and contribute in various ways. For example, in financial trading, researchers and practitioners apply optimization methods to capture the trend of financial series. Stochastics and Bayesian models dominate the recent financial risk management literature, while in portfolio management Markov chains are increasingly popular. This special issue aims to represent a collection of papers that exploit the recent advances of OR in financial problems. Main topics of interest include, but are not limited to:

- Asset pricing and Markov chains
- Efficient and adaptive market hypothesis
- Hypotheses testing in financial problems
- Heuristics and artificial intelligence in financial trading
- Volatility modelling and risk management
- Nonlinear and stochastic optimization in finance
- Machine learning applications to the above with an OR aspect

We strongly encourage submissions by participants of the 3rd Symposium on Quantitative Finance and Risk Analysis (QFRA 2017) held in Corfu, Greece, co-organized by the University of Liverpool, under the umbrella of the Centre for Doctoral Training on Quantification and Management of Risk & Uncertainty in Complex Systems & Environments, the University of Glasgow, and City, University of London.

Submission Deadline and Instructions

Authors should submit a cover letter and a manuscript by **October 31, 2017** via the Journal's web-based system, Editorial Manager (http://www.editorialmanager.com/anor), choosing **"S.I.: Application of O. R."** as the article type. Manuscripts submitted after the deadline may not be considered for the special issue and may be transferred to a regular issue.

Instructions for authors (including a LaTeX macro package and Word guidelines) can be found at

http://www.springer.com/business/operations+research/journal/10479.

Be sure to note when leaving a comment that your work is intended for the special volume and to select the aforementioned article type.

Papers will be subject to a strict review process managed by the Guest Editors and accepted papers will be published online individually, prior to print publication.

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