

## Special Issue

# Applications of Markovian modeling to Risk Management, Queuing Theory, Inventory Theory, Mathematical Finance and Population Dynamics

### Message from the Guest Editor

This Special Issue focuses on applications of Markov processes to risk management, queuing theory, inventory theory, mathematical finance, and population dynamics (including epidemics). We invite both theoretical and applied contributions to the fields enumerated below, and exit problems are of special interest. A few examples (not exclusive) of topics of interest are:

- Optimal dividends for absorbed or reflected processes, including bankruptcy
- Reinsurance and reinsurance games
- Optimal stopping and American options
- Real options
- Stability and control of population models

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### Guest Editor

Prof. Dr. Florin Avram

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### Deadline for manuscript submissions

closed (31 January 2022)



## Risks

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*Risks* is published in an open access format; research articles, reviews, and other content are released on the internet immediately after acceptance. Specifically, *Risks* welcomes submissions that (a) contribute with insight, outlook, understanding, and overview; (b) show creativity in terms of pedagogical methods and techniques; (c) help the transfer of theoretical and applied research into applications in the public and private domains; and (d) show responsibility for the impact on society. The scientific and the general public have unlimited free access to the content as soon as it is published.

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### Editor-in-Chief

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