Computational Finance and Risk Analysis in Insurance

Guest Editor:

Prof. Dr. Ralf Korn

1. Department of Mathematics, TU Kaiserslautern, Erwin Schrödinger Strasse, Geb. 48, 67653 Kaiserslautern, Germany
2. Department Financial Mathematics, Fraunhofer ITWM, Fraunhofer-Platz 1, 67663 Kaiserslautern, Germany

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Message from the Guest Editor

Dear Colleagues,

Whilst developing valuation concepts for financial products, modelling of financial processes, risk measurement issues and portfolio optimization are often central aspects of research, the computational methods to produce the final numbers are equally important in the application of financial and insurance mathematics.

With this Special Issue I would like to encourage all colleagues (from both academia and industry) working in the computational area of finance and insurance to share their innovative methods with the community. These methods can be (but are not limited to) the following:

- variants of classical computational approaches such as Monte Carlo algorithms, tree methods, quadrature or methods to solve partial differential equations,
- new machine learning methods, in particular neural network approaches,
- algorithms from computational statistics,
- specialized algorithms to deal with an important practical issue.

The Special Issue favours contributions that are closely related to a specific application in real life, but also theoretical contributions.

Prof. Dr. Ralf Korn
Guest Editor

Special Issue

Editor-in-Chief

Prof. Dr. Steven Haberman
Faculty of Actuarial Science and Insurance, Bayes Business School, City University of London, 106 Bunhill Row, London EC1Y 8TZ, UK

Message from the Editor-in-Chief

Risks is published in Open Access format – research articles, reviews and other content are released on the internet immediately after acceptance. Specifically, *Risks* welcomes contributions that

- 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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