Special Issue

Stochastic Processes: Theory and Applications

Message from the Guest Editors

The aim of this Special Issue is to publish original research articles that cover recent advances in the theory and applications of stochastic processes. The focus will especially be on applications of stochastic processes as models of dynamic phenomena in various research areas, such as queuing theory, physics, biology, economics, medicine, reliability theory, and financial mathematics. Potential topics include, but are not limited to:

- Markov chains and processes
- Large deviations and limit theorems
- Random motions
- Stochastic biological models
- Reliability, availability, maintenance, inspection
- Queueing models
- Queueing network models
- Computational methods for stochastic models
- Applications to risk theory, insurance and mathematical finance

Guest Editors

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Deadline for manuscript submissions

closed (31 July 2019)

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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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