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Stochastic Processes: Theory and Application

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

You are kindly invited to contribute to this Special Issue on “Stochastic Processes: Theory and Applications”. This Special Issue focuses on advances in the theory of the stochastic process and its practical applications in a broad spectrum of mathematical, scientific, and engineering interests. It invites studies proposing new stochastic processes, models, as well as methods to capture dynamic phenomena in various research areas. Submissions addressing fundamental research questions are highly encouraged. Some possible topics of interest include—but are not limited to—the following fields:

- Decision-making optimization under uncertainty;
- Risk management and control;
- Statistical learning based on advanced stochastic methods;
- Stochastic game;
- Reliability modeling and maintenance optimization;
- Queueing models;
- Computational methods for stochastic models;
- Stochastic processes in mathematical finance.

Dr. Qingan Qiu
Guest Editor

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