



Stochastic Models with Applications, 2nd Edition

Guest Editor:

Prof. Dr. Antonio Di Crescenzo

Department of Mathematics,
University of Salerno, I-84100
Salerno, Italy

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Message from the Guest Editor

Dear Colleagues,

You are kindly invited to contribute to this Special Issue on “Stochastic Models with Applications, 2nd Edition” with an original research article or comprehensive review. The focus is mainly on theoretical results and applications of stochastic models with the aim of describing systems subject to random perturbations. Stochastic models are ubiquitous in science today, but sometimes they are built under strong assumptions that may limit their use in applications. Here, novel models based on non-classical assumptions are especially appreciated. We are looking for research based on rigorous mathematical approaches and algorithmic, statistical, and computational methods, with a view toward applications related to complex systems and challenging research areas (such as biology and medicine, computer science, economics and finance, epidemiology, information theory, queuing, reliability, statistical physics, and theoretical neurobiology).





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Prof. Dr. Francisco Chiclana

School of Computer Science and
Informatics, De Montfort
University, The Gateway,
Leicester LE1 9BH, UK

Message from the Editor-in-Chief

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Mathematics Editorial Office
MDPI, St. Alban-Anlage 66
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