Stochastic Processes and Their Applications in Artificial Intelligence
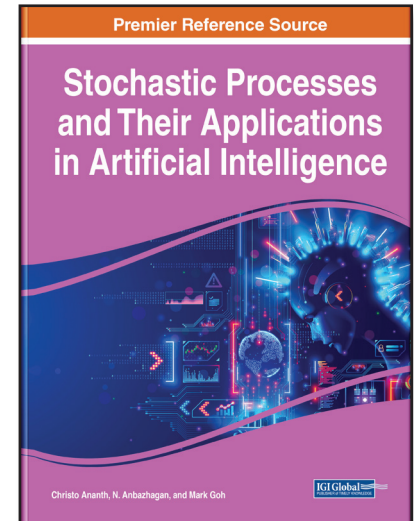
Part of the Advances in Computational Intelligence and Robotics Book Series

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Description:

Stochastic processes have a wide range of applications ranging from image processing, neuroscience, bioinformatics, financial management, and statistics. Mathematical, physical, and engineering systems use stochastic processes for modeling and reasoning phenomena. While comparing AI-stochastic systems with other counterpart systems, we are able to understand their significance, thereby applying new techniques to obtain new real-time results and solutions.

Stochastic Processes and Their Applications in Artificial Intelligence opens doors for artificial intelligence experts to use stochastic processes as an effective tool in real-world problems in computational biology, speech recognition, natural language processing, and reinforcement learning. Covering key topics such as social media, big data, and artificial intelligence models, this reference work is ideal for mathematicians, industry professionals, researchers, scholars, academicians, practitioners, instructors, and students.

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Hardcover: $270.00 | **Softcover:** $205.00 | **E-Book:** $270.00 | **Hardcover + E-Book:** $325.00

Topics Covered:

- Algorithms
- Artificial Intelligence
- Artificial Intelligence Models
- Artificial Neural Networks
- Big Data
- Information Processing
- Machine Learning
- Pattern Recognition
- Social Media
- Speech Coding

Subject: Computer Science and Information Technology

Classification: Edited Reference

Readership Level: Advanced-Academic Level (Research Recommended)

Research Suitable for: Advanced Undergraduate Students; Graduate Students; Researchers; Academicians; Professionals; Practitioners