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Nota di contenuto	Hermann Thorisson, Shift-Coupling and Maximality -- Ashok Krishnan K. S, Vinod Sharma, Diffusion Approximation Analysis of Multihop Wireless Networks: Quality of Service and Convergence of Stationary Distribution -- Liu Mei, Alexander Dudin, Analysis of Retrial Queue with Heterogeneous Servers and Markovian Arrival Process -- Krishna B. Athreya, What is Standard Brownian Motion? -- Srinivas R. Chakravarthy, Busy Period Analysis of multi-server retrial queueing systems -- Alexander Rumyantsev, Garimella Rama Murthy, Steady State and Transient Analysis of a Single Channel Cognitive Radio Model with Impatience and Balking -- Shruti Kapoor, S. Dharmaraja, Applications of Fluid Queues in Rechargeable Batteries -- Souvik Ghosh, A. D. Banik, M. L. Chaudhry, Analysis of BMAP/R/1 Queues

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Sommario/riassunto

This book gathers selected papers presented at the International Conference on Advances in Applied Probability and Stochastic Processes, held at CMS College, Kerala, India, on 7–10 January 2019. It showcases high-quality research conducted in the field of applied probability and stochastic processes by focusing on techniques for the modelling and analysis of systems evolving with time. Further, it discusses the applications of stochastic modelling in queuing theory, reliability, inventory, financial mathematics, operations research, and more. This book is intended for a broad audience, ranging from researchers interested in applied probability, stochastic modelling with reference to queuing theory, inventory, and reliability, to those working in industries such as communication and computer networks, distributed information systems, next-generation communication systems, intelligent transportation networks, and financial markets.