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Nota di contenuto	Frontmatter -- Acknowledgments -- Preface -- About the editors -- Contents -- List of contributing authors -- 1 Exact reliability evaluation of multistate flow networks -- 2 Behavior exploration of a rice manufacturing plant under fuzzy environment -- 3 On the bivariate modeling of reliability systems: some advances -- 4 Reliability and redundancy in performance of equipment -- 5 Stochastic behavior of a system with degradation, fault detection, and replacement policy -- 6 Reliability evaluation with variation in demand -- 7 Reliability analysis and cost optimization in manufacturing systems -- 8 Performance analysis of a paper mill plant by considering reworking/degradation of its components -- 9 Design and evaluation of coherent redundant system reliability -- 10 Mathematical modeling of a delayed innovation diffusion model with media coverage in adoption of an innovation -- 11 Reliability and signature assessment of shuffle exchange networks using universal generating function -- Index
Sommario/riassunto	Reliability is one of the fundamental criteria in engineering systems. Design and maintenance serve to support it throughout the systems life. As such, maintenance acts in parallel to production and can have a great impact on the availability and capacity of production and the quality of the products. The authors describe current and innovative

methods useful to industry and society.