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	Titolo	ICICCT 2019 – System Reliability, Quality Control, Safety, Maintenance and Management : Applications to Electrical, Electronics and Computer Science and Engineering / / edited by Vinit Kumar Gunjan, Vicente Garcia Diaz, Manuel Cardona, Vijender Kumar Solanki, K. V. N. Sunitha
	Pubbl/distr/stampa	Singapore : , : Springer Singapore : , : Imprint : Springer, , 2020
	ISBN	981-13-8461-4
	Edizione	[1st ed. 2020.]
	Descrizione fisica	1 online resource (XXIII, 874 p. 573 illus., 421 illus. in color.)
	Disciplina	658.56
	Soggetti	Quality control
		Reliability
		Industrial safety
		Computer software—Reusability
		Electronic circuits
		Operations research
		Management science
		Quality Control, Reliability, Safety and Risk
		Performance and Reliability
		Circuits and Systems
		Operations Research, Management Science
	Lingua di pubblicazione	Inglese
	Formato	Materiale a stampa
	Livello bibliografico	Monografia
	Nota di contenuto	High assurance software architecture and design -- System Reliability Modeling Reliability of Complex Systems -- Electronic System Reliability -- Safety critical system interference -- Simulation and optimization of complex systems -- Power system reliability.
	Sommario/riassunto	This book discusses reliability applications for power systems, renewable energy and smart grids and highlights trends in reliable communication, fault-tolerant systems, VLSI system design and embedded systems. Further, it includes chapters on software reliability and other computer engineering and software management-related disciplines, and also examines areas such as big data analytics and

ubiquitous computing. Outlining novel, innovative concepts in applied areas of reliability in electrical, electronics and computer engineering disciplines, it is a valuable resource for researchers and practitioners of reliability theory in circuit-based engineering domains.