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	Titolo	Probability and Random Variables for Electrical Engineering [[electronic resource]] : Probability: Measurement of Uncertainty / / by Muammer Catak, Tofigh Allahviranloo, Witold Pedrycz
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	ISBN	3-030-82922-7
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	Descrizione fisica	1 online resource (XII, 170 p. 40 illus., 1 illus. in color.)
	Collana	Studies in Systems, Decision and Control, , 2198-4190 ; ; 390
	Disciplina	621.3
	Soggetti	Electrical engineering Energy systems Engineering mathematics Electrical Engineering Energy Systems Engineering Mathematics Electronic books.
	Lingua di pubblicazione	Inglese
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	Nota di contenuto	Introduction -- Continuous Random Variables -- Discrete Random Variables -- Multiple Random Variables -- Statistical Analysis of Random Variables -- Random Processes -- Spectral Analysis of Random Processes -- Linear Systems with Random Inputs -- Random Samples.
	Sommario/riassunto	This book delivers a concise and carefully structured introduction to probability and random variables. It aims to build a linkage between the theoretical conceptual topics and the practical applications, especially in the undergraduate engineering area. The book motivates the student to gain full understanding of the fundamentals of probability theory and help acquire working problem-solving skills and apply the theory to engineering applications. Each chapter includes solved examples at varying levels (both introductory and advanced) in addition to problems that demonstrate the relevance of the probability and random variables in engineering. As authors, we focused on to find out the optimum

ways in order to introduce the topics in probability and random variables area.