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Nota di contenuto	Generation and control of chaotic laser -- Photonic integrated chaotic semiconductor laser -- Chaotic Brillouin distributed optical fiber sensor -- Brillouin distributed optical fiber sensor based on non-periodical signal -- Chaotic microwave-photonic sensing -- Distributed fiber Raman thermometer and its application -- Narrow-linewidth fiber laser for fiber sensing.
Sommario/riassunto	This book highlights recent advances in novel optical fiber sensing technology and systems, using distributed fiber sensing technology based on chaotic lasers. Upon introducing the basic theory of chaotic laser, a novel light source, the book summarizes new frontier technologies, and presents photonic integration and sensing applications. The book elaborates on new technologies of distributed optical fiber sensors and its engineering applications, as well as narrow-linewidth fiber laser for optical fiber sensing. This book is of

great reference for researchers and professionals in the area of optics and optoelectronics.