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Collana	Optics and Photonics
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Soggetti	Nonlinear optics Photonics Wave-motion, Theory of Light - Transmission Electronic books.
Lingua di pubblicazione	Inglese
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Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Front Cover; Contents; Preface; Contributors; Chapter 1: Introduction; Chapter 2: Nonlinear Systems and Mathematical Representations; Chapter 3: Soliton Fiber Lasers; Chapter 4: Multibound Solitons; Chapter 5: Transmission of Multibound Solitons; Chapter 6: Deterministic Dynamics of Solitons in Passive Mode-Locked Fiber Lasers; Chapter 7: Bistability, Bifurcation, and Chaos in Nonlinear Loop Fiber Lasers; Chapter 8: Nonlinear Fiber Ring Lasers; Chapter 9: Nonlinear Photonic Signal Processing Using Third-Order Nonlinearity Chapter 10: Volterra Series Transfer Function in Optical Transmission and Nonlinear Compensation Appendix A: Derivation of the Generalized Nonlinear Schrodinger Equation; Appendix B: Calculation Procedures of Triple Correlation, Bispectrum, and Examples; Appendix C: Simulink® Models; Back Cover
Sommario/riassunto	Nonlinear Optical Systems: Principles, Phenomena, and Advanced Signal Processing is a simplified overview of the evolution of technology

associated with nonlinear systems and advanced signal processing. This book's coverage ranges from fundamentals to phenomena to the most cutting-edge aspects of systems for next-generation biomedical monitoring and nonlinear optical transmission.
