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Descrizione fisica	1 online resource (259 p.)
Collana	Wiley Series in Acoustics Noise and Vibration
Disciplina	612.8/5
Soggetti	Hearing Sound - Physiological effect
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	Title Page; Table of Contents; List of Figures; List of Tables; About the Author; Series Preface; Preface; 1 Acoustic Parameters; 1.1 Introduction; 1.2 Sound generation; 1.3 Sound propagation; References; 2 Sound Description; 2.1 Introduction; 2.2 The Decibel Scale; 2.3 Frequency Weighting Networks; 2.4 Frequency Band Analysis; 2.5 Common Sound Descriptors; References; 3 Sound Perception; 3.1 Introduction; 3.2 Human Hearing Apparatus and mechanism; 3.3 Alternate Sound Perception Mechanisms; 3.4 Hypersensitivities; 3.5 Low-frequency and Infrasound Perception; References 4 Physiological Effects of Sound Exposure4.1 Introduction; 4.2 Body resonance and Damage Potential; 4.3 Hearing loss; 4.4 Cardiovascular disease; 4.5 Vibroacoustic disease; 4.6 Low-frequency Noise Concerns; 4.7 Infrasound concerns; References; 5 Psychological Effects of Sound Exposure; 5.1 Introduction; 5.2 Annoyance; 5.3 Stress; 5.4 Sleep disturbance; 5.5 Learning disabilities; 5.6 Emotional effects; References; 6 Sound Sources Associated with Negative Effects; 6.1 Introduction; 6.2 Transportation sources; 6.3 Industry and utilities; 6.4 Personal/Recreational Sources; 6.5 Hums 6.6 Acoustic weaponsReferences; 7 Positive Effects of Sound; 7.1 Introduction; 7.2 Music Psychology; 7.3 Sound Therapies; 7.4 Natural Sources/Soundscapes; 7.5 Using sound to Influence People; References;

8 Sound Control and Regulation; 8.1 Introduction; 8.2 Sound Control
Fundamentals; 8.3 Regulations and Guidelines; 8.4 Current and Future
Research; References; Glossary; Index; End User License Agreement
