

1. Record Nr.	UNIORUON00155994
Titolo	Le sirene : Collana di guide ragionate ai temi dell'archeologia
Lingua di pubblicazione	Non definito
Formato	Materiale a stampa
Livello bibliografico	Collezione
2. Record Nr.	UNINA9910299822803321
Autore	Soeta Yoshiharu
Titolo	Neurally Based Measurement and Evaluation of Environmental Noise // by Yoshiharu Soeta, Yoichi Ando
Pubbl/distr/stampa	Tokyo : , : Springer Japan : , : Imprint : Springer, , 2015
ISBN	4-431-55432-7
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (268 p.)
Collana	Mathematics for Industry, , 2198-350X ; ; 20
Disciplina	534 610.28 612.8 620 620.2 621.382 729
Soggetti	Acoustical engineering Signal processing Image processing Speech processing systems Neurosciences Biomedical engineering Interior architecture Interiors Acoustics Engineering Acoustics Signal, Image and Speech Processing Biomedical Engineering and Bioengineering Interior Architecture and Design

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 and index.
Nota di contenuto	Introduction -- Signal Processing Model of Human Auditory System -- Noise Measurement Method Based on the Model -- Temporal Primary Sensations of Noise -- Spatial Primary Sensations of Noise -- Noise Measurements -- Annoyance of Noise -- Short-Term Effects of Noise -- Long-Term Effects of Noise -- Application to Sound Design -- Index.
Sommario/riassunto	This book deals with methods of measurement and evaluation of environmental noise based on an auditory neural and brain-oriented model. The model consists of the autocorrelation function (ACF) and the interaural cross-correlation function (IACF) mechanisms for signals arriving at the two ear entrances. Even when the sound pressure level of a noise is only about 35 dBA, people may feel annoyed due to the aspects of sound quality. These aspects can be formulated by the factors extracted from the ACF and IACF. Several examples of measuring environmental noise—from outdoor noise such as that of aircraft, traffic, and trains, and indoor noise such as caused by floor impact, toilets, and air-conditioning—are demonstrated. According to the noise measurement and evaluation, applications for sound design are discussed. This book provides an excellent resource for students, researchers, and practitioners in a wide range of fields, such as the automotive, railway, and electronics industries, and soundscape, architecture, and acoustics.