1. Record Nr. UNINA990003965340403321

Autore	Vitiello, Giuseppe <1955- ; , bibliotecario>
Titolo	Alessandrie d'Europa : storie e visioni di biblioteche nazionali / Giuseppe Vitiello ; postfazione di Attilio Mauro Caproni
Pubbl/distr/stampa	Milano : Sylvestre Bonnard, ©2002
ISBN	88-86842-37-6
Descrizione fisica	260 p. , [4] c. di tav. : tab., ill. ; 21 cm
Collana	Il sapere del libro
Disciplina	027.5
Locazione	BFS
Collocazione	027.5 VIT 1
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Contiene bibl. (pp. 237-245)

2. Record Nr. UNINA9910299662003321

Autore	Wu Sean F
Titolo	The Helmholtz Equation Least Squares Method : For Reconstructing and Predicting Acoustic Radiation / / by Sean F. Wu
Pubbl/distr/stampa	New York, NY : , : Springer New York : , : Imprint : Springer, , 2015
ISBN	1-4939-1640-8
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (243 p.)
Collana	Modern Acoustics and Signal Processing, , 2364-4915
Disciplina	003.3 534 620 620.2
Soggetti	Acoustical engineering Acoustics Vibration Dynamics Mathematical models Engineering Acoustics Vibration, Dynamical Systems, Control Mathematical Modeling and Industrial Mathematics
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	Chapter 1. Introduction -- Chapter 2. The Spherical Wave Functions -- Chapter 3. The Helmholtz Equation Least Squares (HELS) Method -- Chapter 4. Validity of the HELS Method -- Chapter 5. Implementation of the HELS Method -- Chapter 6. Combined Helmholtz Equation Least Squares (CHELS) Method -- Chapter 7. Hybrid HELS -- Chapter 8. Equivalent Sources Using HELS -- Chapter 9. Transient HELS -- Chapter 10. Panel Acoustic Contribution Analysis Using HELS -- References -- Index.
Sommario/riassunto	This book gives a comprehensive introduction to the Helmholtz Equation Least Squares (HELS) method and its use in diagnosing noise and vibration problems. In contrast to the traditional NAH technologies, the HELS method does not seek an exact solution to the acoustic field

produced by an arbitrarily shaped structure. Rather, it attempts to obtain the best approximation of an acoustic field through the expansion of certain basis functions. Therefore, it significantly simplifies the complexities of the reconstruction process, yet still enables one to acquire an understanding of the root causes of different noise and vibration problems that involve arbitrarily shaped surfaces in non-free space using far fewer measurement points than either Fourier acoustics or BEM based NAH. The examples given in this book illustrate that the HELS method may potentially become a practical and versatile tool for engineers to tackle a variety of complex noise and vibration issues in engineering applications.