

The Library

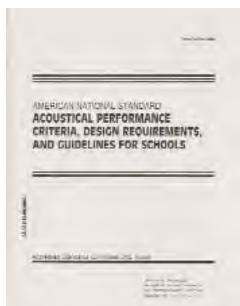
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Book Title: *Architectural Acoustics*
Author: Marshall Long
Publisher: Academic Press
ISBN: 0-12-455551-9
Edition: 1
Pages: 812
Figures: 619
Tables: 100
Binding: Hard Cover
Publication Date: August 2005

Architectural Acoustics presents a comprehensive technical overview of the field at a level suitable for working practitioners as well as advanced undergraduate or introductory graduate architecture or engineering courses. The book is structured as a logical progression through acoustic interactions. Beginning with an architectural history, it reviews the fundamentals of acoustics, human perception and reaction to sound, acoustic noise measurements and noise metrics, and environmental noise. It then moves into wave acoustics, sound and solid surfaces, sound in enclosed spaces, sound transmission loss, sound transmission in buildings, vibration and vibration isolation, noise transmission in floor systems, noise in mechanical systems, and sound attenuation in ducts. Chapters on specific design problems follow, including treatment of multifamily dwellings, office buildings, rooms for speech, sound reinforcement systems, rooms for music, multipurpose rooms, auditoriums, sanctuaries, and studios and listening rooms. While providing a thorough overview of acoustics, it also includes the theory of loudspeaker systems and sound system modeling as well as an in-depth presentation of computer modeling, ray tracing, and auralization. It will be particularly beneficial for architects and engineers working in fields where speech intelligibility, music appreciation, and noise isolation are critical.



Standards Title: ANSI S12.60-2002
*American National Standard
Acoustical Performance Criteria,
Design Requirements, and Guidelines
for Schools* Publisher: Acoustical
Society of America
Pages: 52
URL: asastore.aip.org

Thanks to a unique partnership of industry supporters—Armstrong Ceiling Systems, illbruck Architectural Products, and Trane—one of the Acoustical Society of America's most popular standards has been made available online at no cost. These companies, all innovators in their fields, have demonstrated their leadership by partnering with the Acoustical Society of America to help assure that all children in classrooms

will be able to hear and be heard by their teachers and their fellow students.

Officially known as ANSI S12.60-2002 American National Standard Acoustical Performance Criteria, Design Requirements, and Guidelines for Schools, this standard provides helpful guidance to design professionals, educational facilities planners, and the general public, as well. This Standard was developed by Accredited Standards Committee S12, Noise, under American National Standards Institute (ANSI) approved operating procedures. The Standard, which brings the US into agreement with the requirements of the World Health Organization as well as many countries around the world, will be of assistance to school districts, architects, and building planners in designing classrooms to optimize the ability of children to learn and prosper.

The Standard is available through the Acoustical Society of America's online Standards Store. Users will be asked to register and accept the End User License Agreement before downloading the standard.

Report Title: *Marine Mammal Populations and Ocean Noise: Determining When Noise Causes Biologically Significant Effects*
Publisher: National Academies Press
Pages: 142
Publication Date: 2005
Availability: Complete report available online at no cost. A paperback and/or PDF version may be purchased.
URL: books.nap.edu/catalog/11147.html

A report titled *Marine Mammal Populations and Ocean Noise: Determining When Noise Causes Biologically Significant Effects* issued by the Committee on Characterizing Biologically Significant Marine Mammal Behavior, National Research Council, is now available.

Brochure Title: *Opening Doors: Technology and Communications Options for Children with Hearing Loss*
Publisher: U.S. Department of Education
Pages: 8
Availability: Complete brochure available online at no cost.
URL:
www.ed.gov/about/offices/list/osers/products/opening_door_s/index.html

The U.S. Department of Education has issued a new brochure for parents explaining the full range of options, including cochlear implants, for deaf and hard-of-hearing children. The brochure fulfills a policy directive from Congress issued as a result of the congressional reauthorization of the Individuals with Disabilities Education Act (IDEA) in December 2004. IDEA provides access to services and education for families and children with special needs.

The brochure is distributed by state early intervention pro-