



ATS CONTINUING EDUCATION
ONLINE_SEMINAR
Hot Topic - Acoustic and Sound Control Design
Solutions - Eastern Time Zone
Tuesday, December 07, 2021



08:00 AM [Welcome, Credits, and Certificates](#)

08:10 AM **Architectural Acoustics**

Architectural acoustics are a key design consideration for every high-performing building. This course will cover the following topics:
Sound basics, Noise control strategies, Transmission, Absorption & Applications

Jeffrey Job

Jeff has over fifteen years of experience consulting with AEC professionals in various capacities including project management, scope/specification analysis, and product development. Jeff holds master's degrees in Business Administration and Urban Planning from the University of Colorado. In his current role, Jeff leads the specification efforts for Johns Manville's Building Insulation group.

Johns Manville Provider #: K022

AIA #:0200-2019 HSW | GBCI (USGBC/CAGBC) #:

09:10 AM **Demystifying Acoustics of Floor/Ceiling Assemblies**

This presentation defines building code requirements and outlines acoustic principles. In addition, we will discuss efficient means of acoustic insulation using multiple floor/ceiling assemblies for Concrete, Steel, light wood-frame and mass timber buildings. You will also be able to hear different sound/acoustic ratings. This presentation will benefit building and design professionals such as architects, designers, acoustic engineers, builders/developers and general contractors.

Cristian Wallace

AcoustiTECH Provider #: 406119285

AIA #:Acoustic2021 HSW | GBCI (USGBC/CAGBC) #:

10:10 AM [Break](#)

10:30 AM **Acoustic Door Assemblies and Their Role in Sound Control**

Sound control is a critical element to a building's design. How an occupant will use the space must be understood in order to deliver a healthy and functional environment free of noise. Is speech privacy important? Is this a learning environment? Does the office open to a manufacturing floor? We all think of the walls, ceiling, and floor when discussing sound attenuation. But we must not overlook the importance of an acoustic-door assembly. Without the proper acoustic door, the sound-control goals in an acoustic plan may not be met. This course will review healthy sound levels and how to test and identify target STC ratings. We'll discuss the elements of the acoustic-door assembly and how the assembly addresses fire-ratings and ADA compliance, contributes to LEED certification and green building, and provides security for classified files and electronic data.

Steve Peterman

Ambico Ltd. Provider #: J834

AIA #:AAD001 HSW | GBCI (USGBC/CAGBC) #:920024242

11:30 AM

Architectural Sound Separation

This course will provide an introduction into the terminology, methods, materials and procedures used in architectural sound separation and isolation including typical assembly constructions and methods for reducing airborne noise and structural/vibration noise.

Dr. Bonnie Schnitta

Sound Sense Provider #: T118

AIA #:ACSS105 HSW | GBCI (USGBC/CAGBC) #:920014959

12:30 PM

[Lunch](#)

01:10 PM

3D ACOUSTICS: The critical component to a successful design 1.5

This course discusses the difference between NRC and STC as well as absorption, diffusion, and reflection and how it relates to echo, reverberation and speech intelligibility in architectural spaces and the importance of using the 3D design concept to maximize the acoustical performance of their room.

Jay Perdue

Perdue Acoustics Provider #: 40107193

AIA #:3Dacoustic1.5 HSW | GBCI (USGBC/CAGBC) #:920024925

02:40 PM

[Break](#)

02:50 PM

A Design Professionals Guide To: SOUND ISOLATION

- Understand various sound isolation assemblies and their components. - Describe various steel framing products and components of sound isolation - Understand the importance of proper installation in order to achieve desired STC rating - Explain the building code requirements for sound

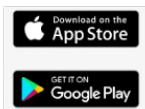
Anthony M Stazzone

MarinoWare Provider #: J835

AIA #:MW005 HSW | GBCI (USGBC/CAGBC) #:

03:50 PM

[End](#)



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