



**America
Training
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ATS CONTINUING EDUCATION
ONLINE_SEMINAR
Hot Topic - Acoustic and Sound Control Design
Solutions - Central Time Zone
Wednesday, February 17, 2021



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

08:10 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
AcustiTECH Provider #: 406119285
AIA #:Acoustic2021 HSW

09:10 AM **More than just an R-value – Acoustics in commercial buildings**

Stone wool is often specified for its superior properties such as energy efficiency, sustainability, fire protection, water resistance and sound control. Commercial stone wool products can help to protect property, extend building life cycles and enhance occupant comfort, and are designed to make construction faster and easier. This course will identify what stone wool insulation is and how it is produced and will discuss some introductory terminology and concepts as they relate to sound and acoustics in the building envelope. We will examine current codes and standards provisions for acoustics and finally, we will discuss some techniques and considerations that can be made when design systems for the interior and exterior of the building envelope.

Jon Ram
Rockwool Provider #: K269
AIA #:RWNA918_01 HSW | GBCI (USGBC/CAGBC) #:920024243

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

Practical and Innovative Acoustics for Everyday Projects

The properties, arrangements, and layered compositions of materials (coupled with resultant spatial volumes) influence how wanted sounds and unwanted noises reach and impact occupants. This session will briefly explore how attention to architectural acoustics can allow more successful everyday projects and lead to material research and innovation, including examples of alternative material usage.

Daniel Butko

Oklahoma and Central Oklahoma AIA chapter Provider #: A011

AIA #:2020-1109 HSW

12:30 PM

Lunch

01:10 PM

Sound Control In Construction

In this one-hour course, design professionals will gain practical knowledge of sound control and the many healthy and safety benefits it has for architects, builders, and occupants. It will discuss building code criteria and guidelines, including strategies to meet these requirements through various methods. By the end of this course, design professionals will be able to evaluate different sound control strategies and specify ones that best fit each project's needs.

Paul Volkoff

Homasote Provider #: J582

AIA #:soundatten21 HSW | GBCI (USGBC/CAGBC) #:920007666

02:10 PM

Break

02:20 PM

21st Century 3D Acoustics

This course discusses the difference between NRC and STC as well as absorption, diffusion, and reflection and how it relates to echo and 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 #:Acoustics3D001 HSW

03:20 PM

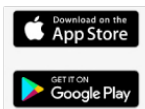
A Design Professionals Guide To: SOUND ISOLATION

- 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

Marino\Ware Provider #: J835

AIA #:MW005 HSW



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