

08

JUNE
2025

NOISE-CON 2025
STOWE, VERMONT



SUNDAY STUDENT SYMPOSIUM

1:30 PM TO 6:00 PM



Paul Donovan



Jessica Clements

**Open to Students and
Young Professionals**



Stephen Hambric

Followed by a Networking event with
Industry Professionals

Prior registration required.
See NOISE-CON 2025 website for more details



Paul Donovan

Vehicles and Roadway Noise

Arguably, noise from roadway vehicles is the most pervasive environmental noise in American life. Although not necessarily the loudest noise source, ground vehicles are almost everywhere around us exposing people to various levels of roadway noise. Mitigation options include reducing noise levels at the source through the use of quieter pavements, interrupting the paths of sound from the roadway, speed restrictions, and limiting the use of certain tire types. We will cover the noise characteristics of the various vehicle categories, effects of pavement and tire type, noise abatement options, and measurement methods

Acoustical Consulting – The Design Process and Life of a Project

What is an acoustical consultant and what do they do? What kind of projects do they work on? What is the career path? In typical acoustical consultant fashion, the answer is “well, it depends”. This presentation will start by touching on the different types of acoustical consulting and the many paths to a career in acoustical consulting and noise control. We’ll review the typical process for architectural acoustical design for a new building from concept to construction and how acoustical consultants interact with other design professions. Finally, we’ll look at some project examples and discuss a typical day in the life of an acoustic consultant.



Jessica Clements

Fundamentals of Vibro-Acoustics

Have you been measuring or simulating vibration and sound without really having learned the fundamentals? Drawing from my many tutorials in the Internoise congress proceedings (available at www.hambricacoustics.com) and the book ‘Engineering Vibroacoustics’ (Wiley) I will teach you the basics. We’ll start with structural vibrations, where you will learn about different wavetypes, modes of vibration, mobility and impedance, and infinite structure theory (one of your most useful tools!) Next, I’ll explain sound-structure interaction: how structures radiate sound and how sound excites structures, sound power transmission loss, and coupling between structures and acoustic cavities. I’ll use several online interactive demonstrators to help you visualize vibro-acoustic behavior.

Networking Event

This event was made possible thanks in part to the generosity of the industry sponsors. As such, they are very excited to meet the participants. This networking event is a chance for you to meet one-on-one with the industry professionals and give you an opportunity to get a glimpse into their day-to-day life and the type of projects that they do. We hope that this gives you an opportunity to better understand your future career prospects and maybe even find a future colleague. Finger food will be provided



Stephen Hambric