



Program and Agenda

**New England Meeting of the
Vibro-Acoustics Consortium
October 17, 2024**

Johnson Controls
5000 Renaissance Dr.
New Freedom, PA 17349

8:30 a.m. Coffee and Pastries

9:00 a.m. Morning Presentations

- News and Notes
- Introduction to Blocked Forces
- Determination of Blocked Forces for a Motor Driven Pump
- Characterization of Spring Isolator using Virtual Point Transformation
- Source Reconstruction of a Commercial Generator Set
- Diffuse Field Sound Absorption Determination using ESI VA-One
- Determination of Effective Parameters for Perforates in Mufflers
- Evaluation of the Microflown Low Frequency Volume Velocity Source

12:00 p.m. Lunch

1:00 p.m. Afternoon Presentations

- Notes on Sound Intensity
- Experimental and Numerical Simulation of Aeroacoustic Noise Generated by Elementary Muffler Elements
- Quadcopter Sound Characterization using a UAV Test Stand
- Source Characterization of a Ducted Source using Acoustic Free Velocity
- Application of Microperforated Parallel Baffle Silencers
- Measurement of Perforated Plate Insertion Loss
- Selecting Measurement Locations for Inverse Pellicular Modes Analysis

4:00 p.m. Adjourn