



Program and Agenda

**Spring Meeting of the
Vibro-Acoustics Consortium
April 20, 2022**

Eaton Corp.

13100 E Michigan Ave
Galesburg, MI 49053

8:30 a.m. Coffee and Pastries

9:00 a.m. Morning Presentations

- News and Notes
- Machine Learning – Advantages and Pitfalls
- Transfer Learning for Classification of Electric Motor Faults
- SEA Simulation of an Air Handler Cabinet
- Simulation and Measurement of Breakout Transmission Loss
- Overview of Simulation of Flow Acoustics
- Inverse Numerical Acoustics applied to a Generator Set
- Microperforated Panel Filters for Attenuation in Ducts
- UAV Test Stand Measurements for Machine Learning Application

12:00 p.m. Lunch

1:00 p.m. Afternoon Presentations

- Sound Power and Uncertainty
- Low Frequency Acoustic Source for Transfer Path Analysis
- Transmission Loss Measurement with Anechoic Termination
- Effect of Mass Layers on Insertion Loss of Lined Rectangular Ducts
- Two-Source Approach to Measure Source Impedance
- Overview of ESI Foam-X
- Drip Noise Measurement Study
- Acoustic Free Velocity Sources: Continuing Work
- A Distributed Helmholtz Resonator Sound Absorber

4:00 p.m. Adjourn