



Program and Agenda

**Spring Meeting of the
Vibro-Acoustics Consortium**

May 16, 2024

Thermo King

314 W. 90th St.

Bloomington, MN 55420

8:30 a.m. Coffee and Pastries

9:00 a.m. Morning Presentations

- News and Notes
- Microperforated Panel Parallel Baffles
- Selecting Measurement Locations for Inverse Pellicular Modes Analysis
- Determination of Blocked Forces for a Hydraulic Pump
- Insertion Loss of Perforated Plates with Flow
- Simulation of Sound Propagation from a Generator Set
- Transfer Learning for Motor Fault Classification
- Source Characterization of a Ducted Source using Acoustic Free Velocity

12:00 p.m. Lunch

1:00 p.m. Afternoon Presentations

- **Tutorial** Notes on Sound Intensity
- Prediction of Partial Enclosure Insertion Loss using a Reconstructed Source
- Introduction to AVL Boost
- Introduction to Ansys Sound
- Characterization of a Spring Isolator using Virtual Point Transformation
- Development of Simplified Source Models
- Determination of Effective Parameters for Perforates in Mufflers
- Path Analysis of a Window Air Conditioning Unit
- Measurement of Perforated Plate Insertion Loss

4:00 p.m. Adjourn