



Program and Agenda

Spring Meeting of the Vibro-Acoustics Consortium

May 11, 2026

Harley-Davidson Product Development Center

11800 W. Capitol Dr., Wauwatosa, WI 53222

3:00 p.m. NVH Facilities Tour

6:00 p.m. Dinner at Café Hollander Tosa Village

May 12, 2026

Generac Power Systems

S45W29290 WI-59, Waukesha, WI 53189

8:30 a.m. Coffee and Pastries

9:00 a.m. Morning Presentations

- News and Notes
- Blocked Forces and Acoustic Free Velocity Sources
- Acoustic Source Reconstruction Inside a Large Duct
- Measurement and Simulation of Flow Noise Generated in a Pipe
- Correlation between Test and Simulation on a Transmission Cover
- Blocked Force Determination on a Hydraulic Pump
- Transfer Impedance, Perforates, and Sound Absorbing Facings
- Measuring Muffler Transmission Loss with Flow

12:00 p.m. Lunch

1:00 p.m. Afternoon Presentations

- Double Tuned Expansion Chamber: Continuing Investigations
- Tutorial: Indirect Measurement of Transfer Dynamic Stiffness
- Utilization of Ray Tracing to Determine Reverberation Time
- Additive Manufactured Low Frequency Sound Absorbers
- Initial Work on a 3D Printed Binaural Head
- Pickleball Impact Noise Measurement and Reduction
- Vibro-acoustic Reciprocity of a Water Source Heat Pump

- Error Analysis of Blocked Forces
- Determination of Biot Properties using ESI Foam-X
- Inverse Pellicular Modes Analysis: Engine Cover and Cylinder
- Vibro-Acoustic Comparison of Constrained-Layer and Free-Layer Damping Treatments on Steel Panels

4:00 p.m. Adjourn