



Program and Agenda

**Spring Meeting of the
Vibro-Acoustics Consortium
May 12, 2025**

**Prince Conference Center
Calvin University
1800 E Beltline Ave SE
Grand Rapids, MI 49546**

8:30 a.m. Coffee and Pastries

9:00 a.m. Morning Presentations

- News and Notes
- Characterization of a Steel Spring Mount using Virtual Point Transformation
- Blocked Force Determination on a Portable Generator Set
- Pickleball Impact Noise Testing
- Notes on Scale Modeling for Vibro-Acoustics
- Double Tuned Expansion Chamber with Square Cross-Sections
- Reciprocity of Volume Velocity Sources
- Simulation Studies on an Engine Cover

12:00 p.m. Lunch

1:00 p.m. Afternoon Presentations

- **Guest Presenter Dennis De Klerk** Isolator Characterization with Application to Vehicle Noise Reduction
- Selection of Measurement Positions for Inverse Pellicular Modes Analysis
- Additive Manufacturing of Low Frequency Sound Absorbers
- Determination of Acoustic Free Velocities for Sources in Large Ducts
- Acoustic Attenuation of Through Flow Perforates
- Usage of Limp Barrier Materials on Enclosures
- Source Characterization of a Pipe Outlet with Flow
- Vibro-Acoustic Performance of Liquid Applied Spray Damping (LASD) Coated Steel Panels
- Notes on Signal Processing and Autocorrelation

4:00 p.m. Adjourn