Program and Agenda

Fall Meeting of the Vibro-Acoustics Consortium
June 10, 2019

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

8:00 a.m. Coffee and Pastries

8:30 a.m. Morning Presentations

- News and Notes
- Making Sense of Transfer Path, Blocked Force, and Operational Path Analysis
- Continuing Work: Muffler Insertion Loss Flow Rig Development and Qualification
- Sound Absorptive Lightweight Thermoplastic Panels: Partial Enclosure Studies
- Blocked Force Determination on Shell Structures
- Measurement of Radiation Efficiency using the PU Probe
- UAV Noise Investigations
- 3D Printed Sound Absorbers

12:00 p.m. Lunch

1:00 p.m. Afternoon Presentations

- An Introduction to Siemens Simcenter
- Best Practices for Panel Contribution Analysis
- Numerical Modeling of Internal Helmholtz Resonators Created by Punching Small Holes on a Thin-Walled Tube
- Development of a Spreadsheet for Assessment of Noise Control Treatments
- Measurement of Radiation Efficiency via Particle Velocity Sensor
- Simulation of Spring Isolators Including Lateral Stiffness
- Partial Enclosure Simulation and Measurement: Improving Correlation
- Measurement of Muffler Transmission Loss with Flow
- Determination of Input Forces for a Thin Engine Cover at High Frequencies
- Collaborative Meeting Space Acoustics Study

4:30 p.m. Adjourn