Program and Agenda

Fall Meeting of the
Vibro-Acoustics Consortium
November 7, 2019

NIU Naperville Conference Center
1120 E Diehl Rd
Naperville, IL 60563

8:00 a.m. Coffee and Pastries

8:30 a.m. Morning Presentations

- News and Notes
- Tutorial Notes on Damping and Constrained Layer Damping
- Determination of Blocked Forces at High Frequencies
- Measurement of Radiation Efficiency using a Scanning Approach
- Sound Absorptive Lightweight Thermoplastic Panels – Continuing Work
- Modeling Damping in ANSYS
- Determination of Acoustic Blocked Forces
- Engineering Noise Control Software
- A Comparison of Different Smart Phones and Apps for Noise Prediction

12:00 p.m. Lunch

1:00 p.m. Afternoon Presentations

- Tutorial Impact Noise
- Guest Presentation – Alexis Talbot MSC Actran Applications
- Determination of Isolator Properties using Blocked Force Analysis
- 3D Printed Sound Absorbers: Continuing Work

2:00 p.m. Future VAC Directions

3:00 p.m. 10 Minute Presentations

- Muffler Insertion Loss Flow Rig Development and Testing
- Simulation of Baffled Silencers including Reactive Elements
- Generator Set Panel Contribution Analysis and Spreadsheet Validation
- Ray Tracing Analysis of a Bakery using VA-One
- Benchmarking MSC Actran and Siemens Simcenter
- Attenuation in Cavities using MPP Absorbers

4:30 p.m. Adjourn