

2018 Penn State CAV Workshop Agenda

| Tuesday, 24 April 2018 | | Nittany Lion Inn Assembly Room | |
|------------------------|----------|---|--|
| 7:30 AM | 8:15 AM | Registration, Coffee, light breakfast | |
| 8:15 AM | 8:45 AM | Welcome and Introductions What's new with the CAV | Dr. George Lesieutre Director of CAV |
| 8:45 AM | 9:15 AM | <u>CAV Group</u> : Structural Vibration and Acoustics Special Topic: Uncertainty in Vibro-acoustic simulations | Dr. Steve Hambric Associate Director of CAV Dr. Andrew Wixom ARL/Penn State |
| 9:15 AM | 9:45 AM | <u>Government Liaison</u> : High Performance Computing for Structural Acoustics (and recent Sandia research on acoustic metamaterials) | Dr. Tim Walsh Sandia National Labs |
| 9:45 AM | 10:15 AM | <u>Corporate sponsor</u> : Overview of Avery Dennison | Henry Milliman Avery Dennison |
| 10:15 AM | 10:45 AM | Coffee break | |
| 10:45 AM | 11:15 AM | <u>International Liaison</u> : Overview of acoustics research at GAUS | Dr. Alain Berry GAUS, Sherbrooke (Canada) |
| 11:15 AM | 11:45 AM | <u>CAV Group</u> : Systems and Structures Health Management Special Topic: Robotic Inspection | Dr. Karl Reichard ARL/Penn State Dr. Cliff Lissenden Penn State ESM |
| 11:45 AM | 12:15 PM | <u>International Liaison</u> : Application of RANS-Informed Noise Prediction for the Multidisciplinary Optimization of Axial Fan Blades | Dr. Lars Enghardt DLR (Germany) |
| 12:15 PM | 1:30 PM | Lunch (for all attendees) | |
| | | Nittany Lion Inn, Faculty/Staff Club | |
| 1:30 PM | 2:00 PM | Student poster 2 minute overviews | Poster competition students |
| 2:00 PM | 2:30 PM | <u>CAV Group</u> : Rotorcraft Acoustics and Dynamics | Dr. Ed Smith Penn State Aerospace |
| 2:30 PM | 3:00 PM | <u>CAV Group</u> : Propagation and Radiation | Dr. Vic Sparrow Penn State Acoustics |
| 3:00 PM | 3:15 PM | Overview of Graduate Program in Acoustics | Dr. Vic Sparrow Director, Penn State Graduate Program in Acoustics |
| 3:15 PM | 3:45 PM | Coffee break | |
| 3:45 PM | 6:00 PM | Free Time | |
| 6:00 PM | 9:00 PM | Reception and dinner (for all attendees) <u>Student poster competition: 6:45 - 8:00</u> | Nittany Lion Inn |

| Wednesday, 25 April 2018 | | Nittany Lion Inn Assembly Room | |
|--------------------------|----------|--|--|
| 7:30 AM | 8:15 AM | Registration, Coffee, light breakfast | |
| 8:15 AM | 8:45 AM | <u>CAV Group</u> : Adaptive Structures and Noise Control Special topic: Passive adaptive structures for balancing | Dr. Jose Palacios Penn State Aerospace |
| 8:45 AM | 9:15 AM | <u>International Liaison</u> : Acoustic research at CIRA (Italian Aerospace) | Dr. Antonio Concillio CIRA (Italy) |
| 9:15 AM | 9:45 AM | <u>CAV Group</u> : Flow-Induced Noise | Dr. Michael Jonson ARL/Penn State |
| 9:45 AM | 10:15 AM | <u>Corporate sponsor</u> : Overview of EBCO, Inc. | Peijun Xu EBCO |
| 10:15 AM | 10:45 AM | Announcement of Student Paper Award Winners Coffee Break | |
| 10:45 AM | 11:15 AM | <u>CAV Group</u> : Biomedical Acoustics NEW GROUP! | Dr. Julianna Simon Penn State Acoustics |
| 11:15 AM | 11:45 AM | <u>International Liaison</u> : Creation of a Virtual Speaker on a Flat Panel | Dr. Jeong-Guon Ih KAIST (South Korea) |
| 11:45 AM | 12:15 PM | Visitor feedback to CAV | Corporate sponsors Corporate guests International Liaisons Government Liaisons Vendor Liaisons |
| 12:15 PM | 1:30 PM | Lunch (for all attendees) | |
| | | Nittany Lion Inn, Faculty/Staff Club | |
| 1:30 PM | 2:00 PM | <u>International Liaison</u> : Practical Applications of Sound Field Control and Future Potential Developments | Dr. Jordan Cheer ISVR (England) |
| 2:00 PM | 2:30 PM | <u>CAV Group</u> : Acoustic Materials and Metamaterials | Dr. Amanda Hanford ARL/Penn State |
| 2:30 PM | 3:00 PM | Overview of the Penn State Applied Research Lab (ARL) | Dr. Dean Capone ARL/Penn State |
| 3:00 PM | 3:15 PM | Overview of the Penn State Office of Industrial Partnerships | Don Mothersbaugh Penn State |
| 3:15 PM | 3:45 PM | Coffee Break | |
| 3:45 PM | 5:00 PM | Lab tours | All |