

## **MATTHEW SNEDDON, *Senior Consultant***

Matt Sneddon joined Colin Gordon Associates in 2022. He has forty years' experience conducting a broad range of acoustics and vibration research, development, and consulting activities. Much of this work has been interdisciplinary in nature, involving acoustics, signal processing, materials science, and software development, and on projects ranging from small consultations to large R&D initiatives. He is equally at home managing the activities of project teams, mentoring technical staff, and working "hands-on" in direct technical roles.

Prior to joining Colin Gordon Associates, Matt held positions at ATS Consulting, Wavefront Scientific, USC, and BBN, where he worked on or directed approximately 200 projects over a 23-year period.



His focus throughout has been on test and measurement, data acquisition and analysis, and the creation of novel modeling and simulation tools. Recent activities include developing improved methods for modeling elastic wave propagation through soils, and characterizing the behavior of high transmission-loss acoustic metamaterials.

### **Education --**

- B.S., Physics, University of California at Santa Barbara, 1978

### **Honors and Professional Societies --**

- Acoustical Society of America
- IEEE Signal Processing Society
- IEEE Instrumentation and Measurement Society
- Institute of Noise Control Engineering

### **Selected Project Experience –**

- Characterizing the Dynamic Properties of Fiber-reinforced Composites; HITCO, Gardena CA
- Development of Advanced Sonar Window Materials; USN/NUWC, Newport RI
- Low-frequency Transmission Loss Measurements; City of Richfield MN
- Pavement Impedance Testing; DPS Technical, Upland CA
- Borehole Vibration Propagation Testing; SNC Lavalin
- Structural Damage Due to Sonic Boom; OL-AC/WPAFB, Dayton OH
- Train Pass-by Audibility Predictions; Calmat Properties, San Diego CA
- Assessment of Blast Noise at Martin Marietta Quarry; O'Melveny & Myers, Los Angeles CA
- Adverse Noise Reflections from Highway Soundwalls; Woodruff Spradlin & Smart (OCTA)
- Benchmarking ANMS Noise Event Classification Performance; O'Hare Noise Compatibility Commission
- Ground Runup Facility Noise Predictions; Learjet Inc., Wichita KS
- Field Studies of Habituation to Aircraft Noise; AL/WPAFB, Dayton OH
- Lab Studies of the Noticability of Sounds at Low S/N Ratios; NASA Langley, Hampton VA
- SFO Airport Low Frequency Noise Studies; City of Millbrae
- Design of Noise Control Enclosures using Steel Honeycomb Panels; Astech Corp, Santa Ana CA
- Noise Control for Airblast Circuit Breakers; Hydroelectric Design Center USA/COE, Portland OR
- Modal Analyses of Sound Isolation Couplings; Naval Sea Systems Command, Washington DC