

MATT SNEDDON



Matt Sneddon joined VACC in 2015, bringing over thirty years' experience conducting a broad variety of acoustics and vibration consulting, research, and testing activities.

He is equally at home managing the activities of project teams, mentoring technical staff, and working hands-on in direct technical roles. Major project experience includes an extensive range of acoustic test & measurement programs, transportation and community noise studies, as well as modeling, simulation, & software development tasks. Recent activities include developing improved methods for modeling elastic wave propagation through soils, and characterizing the behavior of high transmission-loss acoustic metamaterials.

Work Experience:	2015-Present	<i>Consultant, Vibro-Acoustic Consultants</i>
	2009-2014	<i>Visiting Scholar, University of Southern California</i>
	2011-2013	<i>Principal Consultant, ATS Consulting</i>
	2008-2009	<i>Visiting Faculty, University of Southern California</i>
	2001-2014	<i>President, Wavefront Scientific</i>
	1991-2001	<i>Senior Scientist, Bolt Beranek and Newman</i>
	1989-1991	<i>Staff Scientist, Bolt Beranek and Newman</i>
	1986-1989	<i>Senior Consultant, Bolt Beranek and Newman</i>
	1978-1986	<i>Staff Consultant, Bolt Beranek and Newman</i>

Education: B.S., Physics, University of California, Santa Barbara, 1978

Honors/Societies: Member, Acoustical Society of America
Member, Institute of Noise Control Engineering

Recent Notable Projects:

- US Navy:** Testing of advanced sonar window materials
- AiResearch Mfg.:** Gas centrifuge fault implant testing
- Metrolink:** Subsurface vibration propagation testing
- Hitco:** Measurements of the dynamic properties of fiber-reinforced composites
- Caltrans:** Indoor & outdoor highway noise monitoring
- Caltrans:** Adverse noise reflections from highway soundwalls
- Corps of Engineers:** Noise control for airblast circuit breakers
- US Navy:** Modal analyses of Trident sound isolation couplings
- BBN:** Design and construction of the BBN Sonic Boom Test Facility
- City of Millbrae:** SFO airport low-frequency noise studies
- Chicago O'Hare:** Benchmarking noise event classification performance
- Cessna:** Community noise predictions for engine run-up facility
- US Dept. of Justice:** Aircraft noise modeling at NAS Oceana
- Adams County, CO:** Denver International Airport Noise Impact Analysis
- US Air Force:** Laboratory studies of Sonic Boom structural damage