



## KEITH KIMBERLING

Keith Kimberling joined VACC in 2018, with experience in 3D acoustical modeling and simulation, acoustical test and measurement, and vibration test and analysis. His experience includes: 3D architectural models in AutoCAD and Rhino; 3D acoustical modeling with SoundPLAN, Ease and Odeon; acoustical STC and IIC analysis of partitions and floor/ceilings in INSUL; digital signal analysis with Spectra-Plus, mechanical vibration modeling with VibraQuest and time-delay spectrometry using TEF and room reverberation time and modal analysis in Python.

**Work Experience:** 2018-Present *Consultant*, Vibro-Acoustic Consultants  
2017-2018 *Contractor*, CERL-EDRC U.S. Army Corps of Engineers (Noise Impact Model), Champaign, IL  
2017 *System Tester*, AVI-SPL, Schaumburg, IL

**Education:** B.S. Cum Laude, Acoustics, Columbia College, Chicago, IL

**Honors/Societies:** Member, Acoustical Society of America

**Notable Projects:** **Sierra Point, Brisbane, CA**  
Acoustical modeling & specification of HVAC systems  
**1450 Owens St, San Francisco, CA**  
Sound transmission modeling & specification of glass façade and traffic noise  
**Leisure Sports, Lafayette, CA**  
Acoustical modeling of sound source, ceiling transmission and noise disturbance levels in receiver space  
**NXP Semiconductor Fab, Austin, TX**  
Analyze building vibration data to drive structural design  
**Potrero Block-X, San Francisco, CA**  
STC and IIC analysis & modeling of ceiling/soffit designs  
**Better Market Street, San Francisco, CA**  
Traffic noise modeling and analysis of Market Street corridor for EIR  
**American Writer's Museum, Chicago, IL**  
Acoustical testing, 3D acoustical modeling & simulation  
**Columbia College, Chicago, IL**  
Vibrational analysis and diagnosis of motor bearing faults