



VTSS – Vibration Testing of Small Satellites

Short Course

Testimonials

Ft. Meade

“The course was very interactive and tailored to the class’ needs. I enjoyed this class very much.”

“The instructor has a good solid grasp on the theory and industrial/government technical specifications and standards. Instructor was clear in his discussion of the testing plans. He highlighted policies with his own experiences. Was responsive to questions and encouraged feedback. Great class!”

NASA Langley Research Center (October 2020 virtual live webinar)

“This course is a must have for anyone involved in vibration testing. You have a great ability to take complicated concepts and make them completely understandably in a very efficient time frame.”

“I really enjoyed the real-life examples – both in the course material and from the class participants. Webinar worked really well.”

“The course content was easy to follow because everything was organized, the material had the proper flow to it, and the pace of the course was just about right. I never got bored with a subject.”

“There was actually benefit in doing this virtually. In person, I likely would have only had my laptop. At home, I had the advantage of two screens. Personal interchange, of course, is not nearly as good as an in person course.”

“I found the sine burst testing sections to be very interesting and useful. We typically avoid sine burst testing, but it’s nice to have rational guidance when we do need to run sine burst tests. I also enjoyed the discussions about testing philosophy. We rarely have this many experienced people in the same meeting, so it was great to hear everybody’s experience and opinions.”

“I think the class went very well as a virtual webinar, and I personally learned a lot. The presentation material was very clear, and we didn’t have any audio/video related problems with the webinar.”

NASA – Wallops Flight Facility

“I felt that I learned a lot w/out coming from a mechanical Eng. background and was still able to get useful things out of course.”

“Vibration Testing of Small Satellites offers practical training for engineers of all disciplines, with guidance for designing and implementing effective vibration tests.”

“This course was a great course for developing more in depth knowledge on vibe testing and untangling some of the units, and thicker concepts to wade through on your own.”

“Tom, this was one of your best classes.”

TenP Testimonials

“I appreciated the last chapter about designing for vibe and the case study.”

“Highly informative with your stories from experience.”

“This is a perfect course for engineers with a little experience who need a better understanding of practical vibe test & analysis.”

“This course provided valuable insight into design and consideration for vibration testing.”

“Tom does a great job equipping the attendees with an understanding of vibration testing.”

“Knowledgeable instructor with real life examples.”

United States Air Force Academy

“This course is incredibly useful to understand the types of vibration tests used for spacecraft design and the proper use of these tests. This course should prepare you to design tests for successful missions, not just to follow requirements.”

Other

“Anyone involved with the mechanical structure of a spacecraft or test engineering of ensuring a spacecraft survives launch should take this course – very well taught!”

“This course was an outstanding look at the way fundamentals of vibration illuminate the execution details of a good vibration test. Tom’s teaching style and many years of experience make for a rich and entertaining course in what is a very complicated topic.”

“Great job teaching the why and how of vibration testing of small sats.”

“Whether you’re a novice engineer with little to no experience in vibration testing or a more experienced engineer with vibration testing history, you’ll walk away from this class feeling you’ve learned a lot.”

“I would recommend this course to all individuals involved in testing of spacecraft. Tom’s extensive knowledge in the subject matter is valuable to designing, analyzing, and properly testing spacecraft. The material was presented in a very professional manner, and, most importantly, in a way that made the concepts understandable.”

“As someone new to vibration testing, this class gives a foundational base for understanding good practice and the justifications for testing methods while still diving in depth to methodology.”