SAVE THE DATE

FUNDAMENTALS AND BASIC MEASUREMENTS OF SOUND AND VIBRATION
TROUBLESHOOTING NOISE AND VIBRATION ISSUES – TECHNIQUES AND SOLUTIONS

COMING TO A CITY NEAR YOU

Brüel & Kjær

BEYOND MEASURE

Brüel & Kjær Sound & Vibration North America, Inc.
3079 Premiere Parkway, Suite 120 · Duluth · Ga · 30097
Telephone: 800 332 2040
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www.bksv.com

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DAY 1: FUNDAMENTALS AND BASIC MEASUREMENTS OF SOUND AND VIBRATION - $199 CAD

This course provides an introduction to the physical aspects of sound and vibration phenomena, parameters used to describe them, and basic test and measurement techniques. The course will cover the correct selection and application of transducers and instrumentation. Analysis techniques including time domain as well as FFT and octave based spectrum analysis, the importance of calibration and the relationship between sound and vibration will be discussed. Basic test and measurement techniques will be described and demonstrated to show how sound and vibration theory is applied to real world measurements. The course is directed toward engineers, technicians and managers who want to gain a better understanding of sound and vibration basics and start engineering it into their products. It provides the necessary background to take advantage of the follow up course Troubleshooting Noise and Vibration – Techniques and Solutions.

DAY 2: TROUBLESHOOTING NOISE AND VIBRATION ISSUES – TECHNIQUES AND SOLUTIONS - $199 CAD

This course provides a strategy and understanding of the methods and tools typically utilized to solve product noise and vibration problems. The instructor will review the important factors that drive noise and vibration measurements including meeting standards, and improving product quality, product competitiveness and product reliability. The course follows the work completed in the course Fundamentals and Basic Measurements of Sound and Vibration and describes more advanced techniques of acoustic measurements including sound quality, sound power, sound intensity and array analysis, and likewise, more advanced techniques for vibration measurements including modal analysis and order analysis. A structured approach and associated techniques for identifying the source of noise and vibration issues are presented with related case studies. Noise control techniques and the application of materials to reduce and "shape" sound at the source and along the path are described. The course is directed toward engineers, technicians and managers who are looking to start applying solutions to their noise and vibration issues.

FOR MORE INFO PLEASE VISIT: bksv.com/Training/training-courses

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