



SIGNALYSIS NEWS

MARCH / APRIL 2018

To deliver the ultimate solution experience to our customers with unsurpassed integrity!

If you're a sports fan this is a great time of the year: Final Four basketball, NBA basketball, baseball, the NFL draft, hockey, soccer - and don't forget about The Masters. Speaking of which, while everyone enjoys a good Cinderella story, the last thing you want are vibration, noises and other surprises finding their way off the production line to your customers. Our [end of production test systems](#) identify quality issues before shipping. The result: reduced recalls, lower warranty claims, fewer litigation and customer complaints. I hope that you will take a closer look at what Signalysis has to offer.

In this issue you'll read about our upcoming Noise & Vibration seminar. If you are in or around the Mansfield, Ohio area I hope that you'll consider attending. You'll also read a little about our Triggered Pulse Generator that regulates input for non-destructive testing. You'll meet Signalysis Applications Engineer, Balanchandar Ramachandran and more. Finally, I want to remind you that with springtime comes golf. We're once again ready to support your local charities. Read more about this below.

I'm not sure how confident you are in your favorite sports team; but with Signalysis you can be sure that your products meet NVH quality expectations. We've built our business and reputation on a singular focus: *To deliver the ultimate solution experience to our customers with unsurpassed integrity!* I hope that you will give us the opportunity to prove this to you.

Neil Coleman
President
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Visit our Website

2018 Seminar Series

Next Stop: Mansfield!

NOISE & VIBRATION QUALITY INSPECTION TEST

Tuesday, April 24
Mansfield, OH
9:30 AM - 3:00 PM

Overview

This one-day session provides a basic understanding of sound and vibration principles along with a practical understanding of end-of-line quality inspection systems. The seminar also includes an introduction to Signalysis quality inspection software, SigQC™.

You are invited to bring functioning parts (good and bad) for discussion following the seminar. Please contact [Steve Johnson](mailto:Steve.Johnson@nvhtt.com) to schedule and arrange this prior to the seminar.

Location

Hampton Inn & Suites
Mansfield-South @ I-71
2220 South Main Street
Mansfield, OH 44907

Registration & Information

Contact: Steve Johnson
Steve.Johnson@nvhtt.com
248.761.6133



AGENDA

This Seminar runs from 9:30 AM – 3:00 PM

Morning Session

- Welcome to the Seminar!
- Introduction to Sound & Vibration
- Hands-on Example
- Real-World Applications

FREE LUNCH!!!

Afternoon Session

- More Real-World Applications
- Metric Analysis & Development
- Statistical Tools & Data Analysis
- Q&A

Triggered Pulse Generator

Automate & Regulate Input to Remove Subjective Acoustic & Vibration Quality Testing

The Signalysis Triggered Pulse Generator (TPG) test control system regulates input for non-destructive testing systems ensuring testing control, accuracy and integrity.

Benefits

- Eliminates Subjective Testing & Inconsistency
- Control and Standardize Test Input
- Ensure Testing Consistency & Accuracy
- Easily Configurable to On-Line Set-Ups
- Pre-Configured to your Specifications
- Full Signalysis Support



Request Information



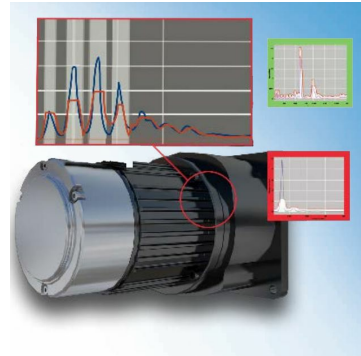
DID YOU KNOW?

We have certified developers on staff who will work with closely you to design and develop software solutions for your unique requirements.

Automotive Test System: DC Motors

This turnkey assembly line test station has proven invaluable for DC motor verification; either stand-alone or as a part of sub-assemblies. Data is acquired using one of the supported acquisition systems, analyzed and compared to acceptable motor performance standards.

- Provides automatic assembly line Pass/Fail results based on mechanical vibration & noise signature.
- Pass/Fail status may be determined from a direct comparison of measured data to a user-defined threshold level.
- Employing advanced analytical methods, the Pass/Fail status may be established by comparing signal processed results to any of a wide range of statistics-based target functions derived from either frequency or time domain.
- Results can be passed on to on-line statistical control systems.



Bumper to Bumper Inspection

From steering columns and power seats to sunroofs, breaks, drive trains and beyond, Signalysis bumper-to-bumper [automotive IQC Test Systems](#) help reduce warranty claims, recalls, and lost customers.

Learn More

An Inside Look at Where the Magic Happens

Are you interested in a behind the scenes tour of Signalysis? If so, this is your chance to be introduced to some of the people who work to solve the industry's product noise and vibration quality issues.

Watch the Video



4 Questions 4: Balachandar Ramachandran



As a *Signalysis Applications Engineer*, Balachandar is responsible for engineering tasks and duties for both the Operations and R&D departments at Signalysis, including customer interaction and travel to customer sites. As an NVH Engineer, he tests, analyzes and troubleshoots various noise and vibration issues. Let's learn more about Balachandar with four quick questions.

Can you tell us a little about yourself?

I was born and raised in the southern, coastal city of Chennai, India. I then moved to Hyderabad, India for 4 years to do my bachelor's in mechanical engineering before moving to Cincinnati for my master's in mechanical engineering. My mother is a senior manager at a bank; and my father took voluntary retirement from bank when he still had 8 years of service left in 2014 to devote his full time to social service. I have a younger brother who just started his first-year pursuing Automobile engineering.

What's something you learned while working here at Signalysis that you didn't know before?

With every successive project, the hands-on testing that I do here gives me a great opportunity to learn new concepts, grow my skills and experience and hone me as a professional engineer.

What do you like best about working for Signalysis?

There is an expert in every field working here so I know I can almost always find solutions to any problem that my project is faced with.

OK, last question. What's something not many people know about you?

Let's see... I have a keen interest in photography; and I used to play the keyboard. I also enjoy exploring new places with friends occasionally.

He's Back Baby!

Neil "Tiger" Coleman is rested and ready to hit the links in support of your local charity golf outing. Send him an [e-mail](#) to let him know about your event.

If possible we'll sponsor a team with Neil and three golfers of your choosing. Don't wait, Neil's availability (like his back swing) will go fast.



Hooked on Vibration!

Did you receive your September 2017 issue of *Sound & Vibration* magazine? If so flip to page 8 and read how our own "NASA Bob" Coleman got his start to a stellar career and his many contributions to the industry. Don't have a copy of the magazine? That's OK you can read it [here](#).



Remember, nobody knows vibration like Bob Coleman; and we're making copies of his book available to you while they last. [Learn more here.](#)

“Experimental Structural Dynamics: An Introduction to Experimental Methods of Characterizing Vibrating Structures”

Request a Copy



To deliver the **ultimate solution experience** to our customers
with **unsurpassed integrity!**

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