



SIGNALYSIS[®]

DELIVERING THE SOUND OF SILENCE™

SIGNALYSIS NEWS JULY / AUGUST 2018

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

Believe it or not we're already into the dog-days of summer. I don't know about you, but I still have plenty of things on my summer to-do list including squeezing in a few more rounds of golf and wrapping up a kitchen remodeling project that my wife and I began too long ago.

Speaking of remodeling... we've been busy the past few months updating our facilities. These improvements have allowed us to centralize software development activities, modernize our training resources, and give us a little more elbow room in the test-system lab. It all adds up to a more efficient work environment allowing us to continue to deliver unmatched customer service and responsiveness. You can read more about this below or, better yet, stop by and see for yourself. I'll be more than happy to give you a tour!

I want to draw attention to the article at the bottom of this newsletter. At Signalysis we are fortunate to have direct access to a very special person with decades of [noise and vibration expertise](#). My father, Bob Coleman, has accumulated a wealth of experience over the years working for JPL, NASA, SDRC, and a handful of other organizations and companies including Signalysis. We're making his book, "Experimental Structural Dynamics: An Introduction to Experimental Methods of Characterizing Vibrating Structures" available to you. See details below or click [here](#) to request your copy.

Below you can also read about our upcoming Noise and Vibration Quality Inspection Testing seminars. If you find yourself in or near Auburn Hills or Grand Rapids Michigan; or Gary Indiana be sure to register. We're looking to expand our seminar series a little with new dates and locations. If you have recommendations along these lines I'm all ears.

Thank you for allowing Signalysis to be your quality assurance partner. We look forward to continuing to serve you throughout the months ahead!

Neil Coleman
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Visit our Website

Noise & Vibration Quality Inspection Test Seminar

TUESDAY, AUGUST 21, 2018
Auburn Hills, MI
9:30 AM - 3:00 PM

OVERVIEW

This FREE 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™.

WHAT'S INCLUDED

- There is no cost to attend.
- A complimentary lunch is provided.
- We invite you to bring functioning parts (good and bad) for discussion following the seminar. Please contact [Steve Johnson](mailto:Steve.Johnson@nvhtt.com) to arrange this prior to the seminar.

LOCATION

Courtyard by Marriott Detroit Auburn Hills
2550 Aimee Lane
Auburn Hills, MI 48236
Tel: (248) 373-4100

Registration & Information
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

Upcoming Seminars

Mark your calendar now for our next Noise & Vibration Inspection Test seminars coming to a city near you!

Our 1-day seminars are presented at no cost and include a free lunch!

Grand Rapids, MI: September 18
Gary, IN: November 6

For reservations or questions contact:
Steve Johnson
Steve.Johnson@nvhtt.com
248.761.6133



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.

Fully integrated into the Signalysis *IQC Dinger Test System*, the TPG automates, initiates, and controls the hammer sequence. The flexible TPG controller may also be adapted to other non-destructive test applications.



Benefits

- Eliminates subjective testing and 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**

For more than 30 years we've assisted manufacturers and service providers with custom application design and development. Using industry-tested and proven object libraries and routines, we will develop software applications to your exact specs, enhance and modify existing in-house programs, and improve your development schedules.

Read more [here](#)

Signalysis Services

Knock-your-socks-off service is what we're all about. Our engineers, technicians and developers apply a wealth of hands-on laboratory, production line, and field testing experience to solve critical noise, vibration, and harshness problems.

Consulting

Whether you are looking for a short or long-term consulting engagement, training, or custom software development, Signalysis has the solution to fit your needs, time-table, and budget.

Education & Training

Signalysis offers a variety of training options. We offer a wide variety of training options: from in-house training on theory and applications to workshops at our facility – we offer personalized attention and plenty of hands-on experience. Contact us to schedule your next one-on-one or group training session.

Request more information [here](#)

Automotive Test System: Steering Column



The Signalysis Steering Column Test System is designed to handle complex & dynamic noise issues associated with power sunroofs and roll shades. Using motor current and hall effect sensor counts a detailed motion/location event matrix is created that encapsulates customer complaints. This matrix allows unique GO/NO GO metrics to be developed which will result in high customer satisfaction ratings.

[Read More!](#)

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.

An Inside Look at Where the Magic Happens

Heading Here

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: Tim Iles



Tim is one of our newest employees. His responsibilities vary from mechanical drawings to research for new projects and designs for new Signalysis standard products. Let's learn a little more about him with four quick questions...

Can you tell us a little about yourself?

I grew up near Independence, Kentucky. I am the middle child, with an older brother and a younger sister. I spend most of my free time working on cars or enjoying the outdoors. I like to go hiking, skiing, boating, and playing sports.

What do you like most about working at Signalysis?

I really enjoy the small company environment. This allows us to have a direct impact on the company and the ultimate successes of our projects.

What's something that you learned since starting work here at Signalysis that you didn't know before?

I've learned a lot about our own products, obviously, that I did not know. I have also learned a significant amount about how the minute accelerations of a part can be interpreted into useful data about specific qualities of the part.

Last question. What's something about you that not many people know?
I have been snow skiing since I was 2 ½ years old.

There's Still Time...



Time to be amazed by Neil "Grip it and Rip it" Coleman's long drive skills. Time to be in awe of his pin-seeking irons. Time to... well you get it. **But most important there's still time for Singalysis to help support your local charity!**

Send Neil an [e-mail](#) to let him know about your upcoming charity golf outing. If possible, we'll sponsor a team with Neil and three golfers of your choosing. But hurry! The golf season (like Neil's hot putter) won't last forever.



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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