



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

## **SIGNALYSIS NEWS**

*March/April, 2017*

Well how's your bracket looking? If you are like most of us here at Signalysis your "Road to the Final Four" has become a dead end. Each year March provides the college basketball world with plenty of upsets and surprises. And, while we can all appreciate a good Cinderella story, the last thing manufacturers want are unexpected noises, vibration, and other surprises.

In this issue, you'll read about an upcoming testing seminar that will take place in Grand Rapids, Michigan. This is just one of several we'll be offering throughout the Midwest. Contact [Steve Johnson](#) for details. Also, I'd like to draw your attention to a story near the bottom of this newsletter. Read how vibration testing was used to overcome critical problems with the Polaris Missile program and launch the career of a remarkable engineer.

I'm not sure how confident any of us were with our Final Four picks. 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.

Sincerely,

Neil Coleman  
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Visit our Website

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**Seminar: Noise &**

# Vibration Quality Inspection Test

This free, one-day seminar will cover:

- Sound & Vibration Principles
- Metric Development
- SigQC Software: What's New
- Hands-On Test Activities
- End-of-Line Test Applications
- An Opportunity to Test Your Working Part
- Q&A

Date - To be Announced

Location - Grand Rapids, MI

Fee: No Cost to Attend

For information about this and future Signalysis seminars contact [Steve Johnson](#) or call 248-761-6133.



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## Automotive Test Systems: Power Seats

Identifying quality issues before your products are shipped reduces warranty claims and keeps customers happy.

Our End-of-Line Production Test solutions provide 100% quality inspection in manufacturing environments.

Our [Power Seat Test System](#) replaces subjective tests with advanced vibration, sound, motorcurrent and travel velocity algorithms and metrics. Based on more than 30 years of experience, the proven power seat test system combines traditional NVH laboratory modal analysis, sound quality, gear testing, and motor dynamics test methods bringing 100% inspection confidence to your manufacturing floor.



We offer solutions for automotive, appliance, medical, and other industries. Request information [here](#).

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## Golfing "Fore" Charity

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Is there a charity holding a local fundraiser golf outing in your area? If so, we would like to help. Signalysis President, Neil "Bubba" Coleman loves golf and is always eager to support charities.

Send Neil an [e-mail](#) to let him know about an upcoming event in your area. If possible Signalysis will sponsor a team consisting of Neil and three people of your choosing. Don't wait, Neil's availability (like his putting) is limited.

## 4 Questions 4: Steve Johnson



*Some of you may be familiar with Steve Johnson. Steve represents Signalysis throughout Michigan and Northern Ohio. Let's learn a little more about him with four quick questions.*

### **Can you tell us a little about yourself?**

I grew up in Dearborn, Michigan and attended Michigan Technological University. There I majored in Mechanical Engineering specializing in sound and vibration. Today I live in Michigan with my wife and our three children.

### **What's your background in the industry?**

I've been in NVH equipment sales for twenty-five years. For five of those years I served the Southeastern region of the United States; the rest of that time was spent in Michigan. Over the years, I've worked with a lot of sound and vibration applications, technologies, customers and industry segments and have met a lot of great people along the way.

### **What's the best thing about working with Signalysis?**

Each customer that needs a testing solution has a unique set of requirements. Signalysis has the people, years of experience, and above all the passion to deliver and support the ultimate solutions our customers require. Plus, the people there are pretty cool.

### **What do you like to do in your free time?**

These days I triathlon train in the early mornings. Throughout the summer I participate in triathlon races. The kids also keep us busy with sports, school and related activities. I also enjoy golf and like to get out whenever I can.



As a National Instruments Alliance Member with Certified LabVIEW developers on staff, Signalysis is uniquely positioned to provide:

- LabVIEW Development Environment
- LabVIEW Real-Time
- National Instruments Hardware Platform (PXI, cRIO, sDAQ)
- Real-Time test
- Machine Control
- Automated Inspection
- Database Connectivity
- Reporting: HTML & Office Suite

Read more [here](#).



## Exploding on the Test Stand!

It was the height of the cold war and the Navy had just launched the first missile from a Polaris submarine. But as new rockets were being developed a serious problem emerged – rocket motors were blowing up on the test stand!

Quite a challenge for the Navy's new Polaris Second Stage Solid Rocket Motor Physicist Test Engineer. [Read](#) how solving this problem launched the career of our own Bob Coleman. *And yes, we really do have a rocket scientist on staff just in case!*

Visit our Website

### Signalysis

*Delivering the Sound of Silence*

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