

Time Domain Training

Monday, October 19, 2026, from 8:00 AM to 5: PM

NAIT Productivity & Innovation Centre – Room 230
(Northern Alberta Institute of Technology)
11762 - 106 Street, Edmonton, AB, Canada, T5G 2R1



About the Course

This one-day course on the Time Domain explores the use and benefits of the time domain. The course covers how to apply time domain analysis to a variety of analysis tasks, how to “re-wire” our frequency minded thinking to the time domain, and how to collect time domain data that is meaningful. Intended for individuals with Category 2 or higher certification, there are several exercises where participation is required. Various case studies are used throughout to stimulate conversation and emphasize the principles covered. Attendees are expected to contribute to the course dialogue and will be required to perform calculations and answer questions.

Course Topics

- The time-frequency relationship
- How to collect effective time domain data
- The importance of sample rate, sample size, and units of measure
- The 7 principles of time analysis
- Waveform shape analysis
- Measuring and monitoring waveform shape parameters
- Time domain plots and markers (cursors)

Meet your instructor



Grant Akitt is a Mechanical Engineer specializing in vibration analysis on rotating equipment and their structures. With over 30 years of experience in the industry, he is accomplished in vibration measurement and analysis, operational deflection shape testing, dynamic balancing, transient data analysis, and continuous vibration monitoring. He is experienced in a wide range of industries and equipment.

Grant is a licensed Professional Engineer and a certified Category III vibration analyst since 2017.

Need more information?

Call 416 622-1170 option 1
Email director@cmva.com
Visit www.cmva.com

Who Should Attend?

- Vibration Analysts with Category 2 or higher Certification
- Manufacturing and Industrial Engineers
- Reliability Engineers
- Predictive Maintenance Technicians

Fees

Early bird rate until August 31st

\$1 125

Regular fee starting September 1st
\$1 250

This course can be combined with the Vibration Hardware Round Up & Round Table Training Course on October 20th:

Early bird rate until August 31st

\$1 800

Regular fee starting September 1st
\$2 000

What's included ?

- AM & PM coffee breaks
- Lunch
- Course notebook
- October 20 NAIT shop tour

To register

1. Log in or create a user profile on www.cmva.com
2. In the Shop (top right), select ATC Pre-Conference Courses
3. Choose a course + add to cart
4. Continue shopping or select View Cart
5. Follow the prompts to proceed to payment.



Adding value to your training :

Attend the 2026 CMVA Annual Technical Meeting

The 2026 ATC will take place at NAIT in Edmonton, Alberta October 21-22.

Expect hands-on training, expert speakers and focused technical streams. This conference will include a tradeshow featuring exhibitors representing the reliability realm, offering a path to increased uptime through products, services, and training for all of the relevant predictive technologies.

To register to the ATC

In the store, after selecting your course(s), go to Annual Technical Conference Registration section & choose the appropriate fee.