

Education in Machinery Health™ Management



TAKING THE MYSTERY OUT OF PEAKVUE TECHNOLOGY AND AUTOCORRELATION AS AN ADVANCED DIAGNOSTIC TOOL

This 2.5-day training includes two courses for a total of 1.8 CEU's:

TAKING THE MYSTERY OUT OF PEAKVUE™ TECHNOLOGY

This course makes use of both case studies and live demonstrations illustrating specific mounting procedures to reliably detect certain faults.

Prerequisites: familiar with vibration data collection, analysis and AMS Machinery Manager software.

TOPICS INCLUDE

- Proper PeakVue set-ups for all speeds (as low as 1 rpm)
- Sensor selection and sensor mounting
- Setting alarm levels
- Choosing trend parameters
- Analyzing PeakVue spectra and waveforms
- Uses of the circular waveform plot

AUTOCORRELATION AS AN ADVANCED DIAGNOSTIC TOOL

This course will teach the power of the autocorrelation coefficient function for the analysis of vibration induced time waveform data.

TOPICS INCLUDE

- Introduce the autocorrelation coefficient
- Demonstrate the computation of the autocorrelation coefficient data from the time wave form data

- Highlight the strengths of the autocorrelation coefficient function data relative to spectra data
- Demonstrate the use of the autocorrelation coefficient data as a diagnostic tool to support the spectra data for vibration analysis through several case studies.
- Identify unique patterns of the autocorrelation function data for certain classes of bearing faults, gearing faults, etc.

LOCATIONS

- September 14 to September 16, 2010

Giants Ridge Conference Center
6325 Giants Ridge Road
Biwabik, MN 55708

9:00 AM – 5:00 PM Tuesday and Wednesday
9:00 AM – Noon Thursday

- \$1,200 per person
- Lunch will be provided
- Registration:
To register, complete the registration form indicating your payment and fax to 865-218-1764.
For more information, contact
mong-ching.lin@emerson.com, 865-675-2400
extension 2414

REGISTRATION FORM

Complete a separate registration form for each class you attend. Deadline for registration is one week prior to start of class.

Please photocopy this form for future use.

Name to appear on class certificate

Name to appear on name tag

Country of Citizenship

Company

Physical or Shipping Address

City/State/Zip

Billing Address

City/State/Zip

Phone

Fax

Email

Course or Certification

Dates of Course or Certification

Course location Knoxville Austin

San Diego

Today's Date - -

FORM OF PAYMENT (MUST BE COMPLETED)

Credit Card #

Expiration Date

Please print cardholder's name

Visa Mastercard AMEX

Authorized signature

Phone

Fax receipt to

Check #

Purchase Order #

Total amount of purchase order

Please make purchase order out to Emerson (to the address below) and **please send a copy with your registration**

Does this P.O. cover more than one registration?

YES NO

Note: A confirmation will be sent to you to confirm your place in the class within 72 hours of receiving your registration. If you do not receive a confirmation, your space in class is not guaranteed, so please call.

I have the prerequisites for this course. I know the date, starting time and directions to the training facility. I understand the cancellation policies.

Date - -

Signature _____

RETURN TO

Emerson • Attn: Education Services

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Knoxville, Tennessee 37932

Phone: 800-675-4726

Fax: 865-218-1764