

# Education in Machinery Health™ Management



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

This 3-day training includes two courses for a total of 2.1 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

- August 9th to August 11th, 2011

**Holiday Inn Express Southwest**  
10729 J Street  
Omaha NE 68127  
Phone 402-339-8111

8:30 AM - 4:30 PM daily

- \$1,500 per person
- Lunch will be provided
- Registration:  
To register or for more information, contact Mong-Ching Lin at [Mong-Ching.Lin@Emerson.com](mailto:Mong-Ching.Lin@Emerson.com) or 800-675-4726.

Hosted by



# 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

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Phone

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Fax

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Email

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Course or Certification

\_\_\_\_\_

Dates of Course or Certification

\_\_\_\_\_

Course location  Knoxville  Austin

San Diego

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**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

835 Innovation Drive

Knoxville, Tennessee 37932

Phone: 800-675-4726

Fax: 865-218-1764

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