Machinery Signature Analysis

Course Outline:

- Time and Frequency domains
- Linear system analysis
- Frequency domain instrumentation
- FFT and Sampling
- Aliasing and Windowing
- Sources of vibration
- Vibration measurement
- Bearings
- Gears
- Machine Health monitoring

Duration: 5 days
Charge:
Date/Time:
Location:

Reference:
Vibration Spectrum Analysis, Steve Goldman, 1999

Who should attend:

- Mechanical engineers
- Manufacturing and Maintenance engineers
- Managers

Objectives:

- Basic understanding of Machinery Signature Analysis for preventive maintenance and problem identification of precision machines

Instructor:

Dr. Hatem Radwan
Purdue University, 1972
Over 30 years industrial experience in USA with IBM, Seagate, Hitachi and Sargent & Lundy