Course Overview

This class will discuss the basics of the types of analyses that should be performed when investigating the root cause of failures. The goal of failure analysis is to understand what causes the failure and how to avoid recurrences. The course will be focused on the investigation of blade fatigue failures in gas turbines and compressors. However, the root cause failure analysis (RCFA) process can be applied to other types of turbomachinery and failure mechanisms as well. Topics that will be discussed include the tools available to operators and when and how to use them. Forensic Investigation, Metallurgical Examination, Dynamic Analysis, Blade Dynamics and Performance Assessment will all be discussed in detail.

Cost

The short course cost is $850 USD per registrant. Registration includes two days of course instruction, training materials, class exercises, and two lunches.