



SOUTHWEST RESEARCH INSTITUTE



# Fundamentals of Turbomachinery Failure Analysis Short Course

Southwest Research Institute  
6220 Culebra Road • San Antonio, TX  
Building 263, First Floor Training Room  
December 5 – 6, 2023

Day 1: 8:15 AM – 4:00 PM

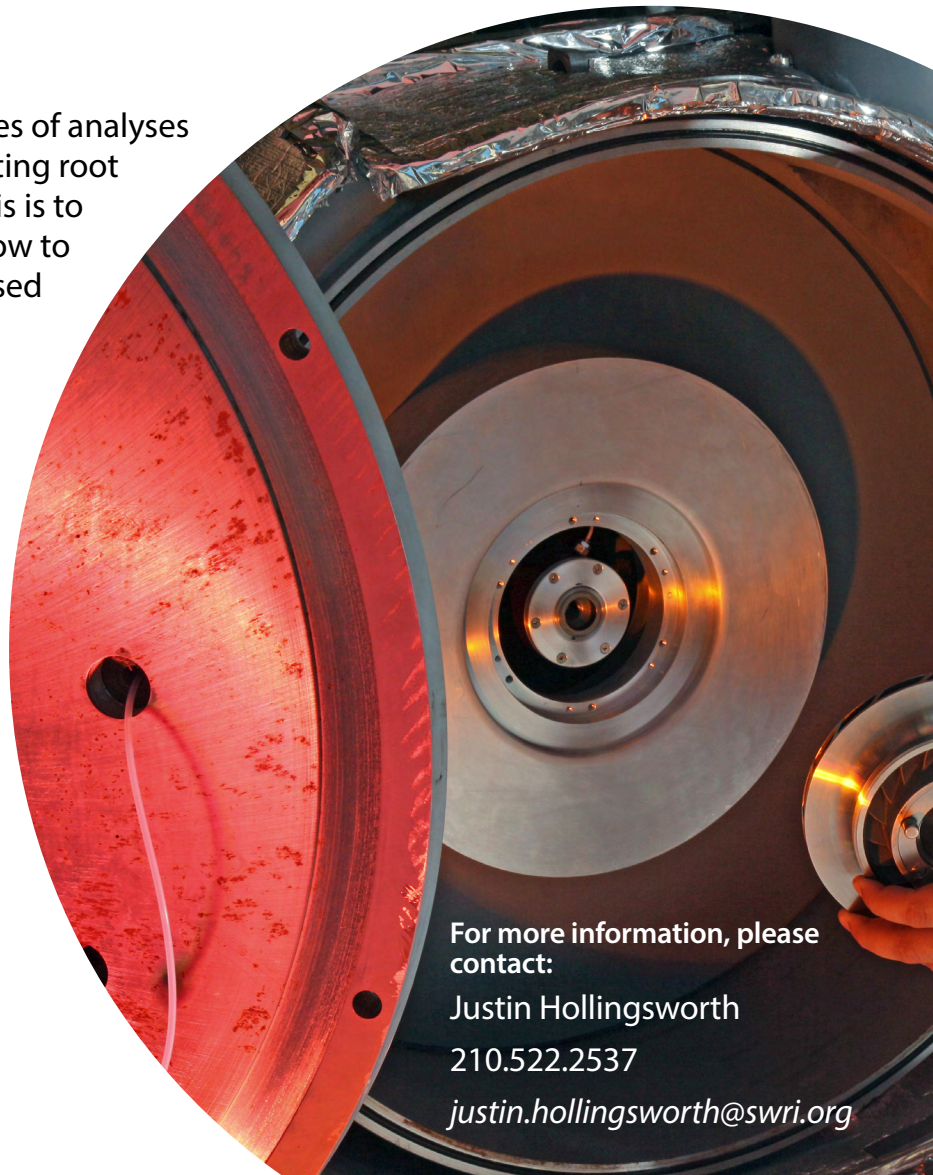
Day 2: 8:30 AM – 4:15 PM

## Course Overview

This class will discuss the basics of the types of analyses that should be performed when investigating 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 \$750 USD per registrant. [Registration](#) includes two days of course instruction, training materials, class exercises, and two lunches.



For more information, please contact:

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