



Root Cause Failure Analysis for Machinery and Piping Part 1: Introduction to RCFA

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Schedule

Agenda

- 08:30 Class Start
- 10:00 Morning Break
- 12:00 Lunch
- 13:00 Resume Class
- 15:00 Afternoon Break
- 17:00 End Class

- Introduction
- RCFA Process Initial Steps
- Metallurgy for Failure Analysis
- Summary of Fracture Modes
- Modal Test Demonstration & Class Exercise
- Dynamics for Failure Analysis
- RCFA Process – Analysis and Solutions
- RCFA Class Exercise



Instructors

- Tim Allison, Ph.D.
 - 9 years experience, 7 years at SwRI
 - Interests include failure analysis, machinery dynamics, experimental methods
 - tim.allison@swri.org
- Thomas Chirathadam, Ph.D.
 - 5 years experience, 3 years at SwRI
 - Interests include machinery design, life analysis, and failure studies
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