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

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Middle East Turbomachinery Symposium Short Course 7
15 February 2015
Schedule

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

Agenda

• 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
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• Thomas Chirathadam, Ph.D.
  – 5 years experience, 3 years at SwRI
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