

Rotordynamics

April 17-20, 2023

Location: Embassy Suites San Antonio Airport hotel

Mesquite Meeting Room

10110 US Hwy 281 San Antonio, TX

SYLLABUS

Monday 4/17

8:00 – 10:00	What is Rotordynamics?
10:00 – 10:15	<i>Break</i>
10:15 – 12:00	Basic Lateral Rotordynamics Workshop 1&2
12:00 – 1:00	<i>Lunch Break</i>
1:00 – 3:00	A Machinery Users Guide to Rotordynamics
3:00 – 3:15	<i>Break</i>
3:15 – 5:00	Understanding Journal Bearings

Tuesday 4/18

8:00 – 10:00	Hydrodynamic Bearings Workshop
10:00 – 10:15	<i>Break</i>
10:15 – 12:00	Rotordynamics as a Tool for Solving Vibration Problems
12:00 – 1:00	<i>Lunch Break</i>
1:00 – 3:00	Practical Implementation of Torsional Analysis and Field Measurement
3:00 – 3:15	<i>Break</i>
3:15 – 5:00	Torsional Analysis and Case Histories

Wednesday 4/19

8:00 – 10:00	Practical Modal Testing and Analysis Applied to Rotating Equipment Diagnostics
10:00 – 10:15	<i>Break</i>
10:15 – 12:00	RotorDynamics of Semi-Rigid and Overhung Turbomachinery
12:00 – 1:00	<i>Lunch Break</i>
1:00 – 3:00	Practical Stability Analysis and Practical Solutions

Thursday 4/20

8:00 – 10:00	Using Rotordynamics to Solve Serious Machinery Vibration Problems
10:00 – 10:15	<i>Break</i>
10:15 – 12:00	Rotordynamic Case Histories-Time Transient Analysis and Non-Linear Rotordynamics
12:00 – 12:30	<i>Lunch Break</i>
1:00 – 3:00	A Solution for Variable Speed Vertical Pump Vibration Problems-Rotordynamics of Large Fans- Rotordynamics of Pumps, Evaluating-Correcting Subsynchronous