Machinery Vibration and Rotordynamics
January 6-10, 2025
Location: DoubleTree by Hilton Houston Intercontinental Airport hotel
15747 John F. Kennedy Blvd. Houston, TX

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Monday

8:30 – 10:00	**Vibration Concepts and Terminology for Rotordynamics**	**Delgado-1**
10:00 – 10:30	*Break*	
10:30 – 12:00	**Basic Concepts and History of Rotordynamics**	**Delgado-2**
12:00 – 1:00	*Lunch Break*	
1:00 – 2:30	**Synchronous Vibration and Case Studies**	**Delgado-3**
2:30 – 3:00	*Break*	
3:00 – 4:30	**Asynchronous Vibrations and Case Studies**	**Delgado-4**

Tuesday

8:30 – 10:00	**Design and Application of Fluid Film Bearings**	**Ertas-5**
10:00 – 10:30	*Break*	
10:30 – 12:00	**Fluid Film Bearing Failures, Identification and Corrections**	**Ertas-6**
12:00 – 1:00	*Lunch Break*	
1:00 – 2:30	**Planning and Making Rotordynamic Measurements**	**Ertas-7**
2:30 – 3:00	*Break*	
3:00 – 4:30	**Making Analysis and Measurements Work Together**	**Ertas-8**

Wednesday

8:30 – 10:00	**Liquid Seals and Their Effect on Pump Rotordynamics**	**San Andrés-9**
10:00 – 10:30	*Break*	
10:30 – 12:00	**Gas Seals and Their Effect on Steam Turbine and Compressor Rotordynamics**,	**San Andrés-10**
12:00 – 1:00	*Lunch Break*	
1:00 – 2:30	**Squeeze Film Dampers, Design, Operations, Models and Technical Issues**	**San Andrés-11**
2:30 – 3:00	*Break*	
3:00 – 4:30	**Gas Bearings for Turbomachinery**	**San Andrés-12**

Thursday

8:30 – 10:00	**Torsional Vibrations Overview and Analysis**	**Delgado-15**
10:00 – 10:30	*Break*	
10:30 – 12:00	**Torsional Vibrations, continued**	**Delgado-16**
12:00 – 1:00	*Lunch Break*	
1:00 – 2:30	**Rotordynamics Overview and API Requirements**	**Delgado-17**
2:30 – 3:00	*Break*	
3:00 – 4:30	**Introduction to Computer Modeling of Rotordynamics**	**Delgado-18**

Friday

8:30 – 10:00	**Computer Modeling of Transient Rotordynamics**	**Delgado-19**
10:00 – 10:15	*Break (note 15 minute today)*	
10:15 – 11:30	**Computer Modeling Demonstration**	**Delgado-no files**
11:30-12:15	*Lunch Break (note 3/4 hour today)*	
12:15 – 2:00	**Computer Modeling Demonstration**	**Delgado-no files**
2:00 – 2:15	*Break (note 15 minute today)*	
2:15 – 3:45	**Computer Modeling Demonstration**	