

# CCOPS

Marh 17-20, 2025

Location: Embassy Suites San Antonio Airport hotel

Live Oak Meeting Room

10110 US-281, San Antonio, TX 78216

## SYLLABUS

### Monday

8:00 – 10:00	<b>Intro to Centrifugal Compressors</b>	1 Sorokes
10:00 – 10:15	<i>Break</i>	
10:15 – 12:00	<b>Aerodynamic Performance</b>	2 Sorokes
12:00 – 1:00	<i>Lunch Break</i>	
1:00 – 3:00	<b>Aerodynamics Performance cont.</b>	3 Sorokes
3:00 – 3:15	<i>Break</i>	
3:15 – 5:00	<b>Aerodynamics Performance conclusion</b>	4 Sorokes

### Tuesday

8:00 – 10:00	<b>Project Considerations and Compressor Selection</b>	5 Sandberg
10:00 – 10:15	<i>Break</i>	
10:15 – 12:00	<b>Compressor Drivers and Performance Characteristics</b>	6 Sandberg
12:00 – 1:00	<i>Lunch Break</i>	
1:00 – 3:00	<b>Compressor System Arrangement and Operating Characteristics</b>	7 Sandberg
3:00 – 3:15	<i>Break</i>	
3:15 – 5:00	<b>Compressor Layout, Testing and Installation</b>	8 Sandberg

### Wednesday

8:00 – 10:00	<b>Rotordynamics</b>	9 Moore
10:00 – 10:15	<i>Break</i>	
10:15 – 12:00	<b>Seals</b>	10 Moore
12:00 – 1:00	<i>Lunch Break</i>	
1:00 – 3:00	<b>Impeller Stress and Modal Analysis</b>	11 Moore
3:00 – 5:00	<b>Guided tour of South West Research Institute (SWRI) plant</b>	

### Thursday

8:00 – 10:00	<b>Understanding surge Control methods, pages 1-23</b>	12 Jumonville
10:00 – 10:15	<i>Break</i>	
10:15 – 12:00	<b>Surge Control Methods, pages 24-50</b>	13 Jumonville
12:00 – 1:00	<i>Lunch Break</i>	
1:00 – 3:00	<b>Tuning demo and Magnetic Bearings, pages 51-71</b>	14 Jumonville