

Oil & Gas Machinery Lecture Series: Digitalization

Virtual Event – April 13, 2021

AGENDA AT-A-GLANCE

Time	
10:00 AM	Welcome – Jeff Moore , Southwest Research Institute
10:15 AM	Randy Carroll , Solar Turbines – Solar Turbines InSight Platform
10:45 AM	Barrett O'Connell , John Crane – John Crane Sense™ – Digital Innovation Leveraging 100+ Years of Mechanical Seal Expertise: Data-Driven Monitoring and Health Analysis of Advanced Compressor Seals
11:15 AM	Karl Wygant , Hanwha – Predictive Maintenance Based on Various Failure Modes in Centrifugal Turbomachinery
11:45 AM	Break
12:00 PM	Aaron Gayah , Atlantic LNG – Extending Uptime – Digital Monitoring of a Mechanical Seal, on a Centrifugal Compressor
12:30 PM	David Ogden , Southwest Research Institute – nSPCT (n-variable Statistical Process Control Tool) (Software Tool for Analyzing Complex Systems)
1:00 PM	Jay LeBlanc , Ariel – Digitalization of the Reciprocating Compressor – Ariel Smart Compressor
1:30 PM	Charles Krouse , Southwest Research Institute – Developing Digital Twin Models Using NPSS Software
2:00 PM	Break
2:15 PM	Daniel Goodrich , Alta Solutions – Condition Monitoring Systems: New Technology Allowing Access to Better Data
2:45 PM	Michael Dollinger , Siemens Energy – Leveraging Digital at Both the Plant and Equipment Level with Asset Performance Management, Remote Diagnostics, and Field Diagnostics
3:15 PM	David Haake , Siemens Energy – How Do Operators Secure Assets Against Growing Cyber Attacks: 4 Strategic Automation and AI-Enabled Pillars
3:45 PM	Scott Schubring , Williams – How to Make the Most of Big Data with Limited Resources
4:15 PM	Virtual Tours of SwRI Laboratories