

REGISTER ONLINE

Indianapolis, IN | SEPTEMBER 9-13, 2019

# WELCOME TO THE WORLD'S CBM CONFERENCE

POWERED BY MOBIUS INSTITUTE

Vibration  
Analysis



Thermography



Oil Analysis & Wear  
Particle



Motor Testing



Ultrasound



Lubrication



Alignment &  
Balancing



CM  
Management



From workshops, learning sessions and case studies to the latest technologies featured in the expo, the conference provides practical learning in the important aspects of industrial vibration analysis, the complementary condition monitoring technologies, and reliability improvement.

## WHY

- + Dedicated to all the Condition Monitoring Technologies
- + Improve diagnostic knowledge and skills
- + Build relationships with peers who face the same challenges

## WHO

- + Condition Monitoring Professionals
- + Vibration Analysts
- + Program Managers
- + Reliability & Maintenance Professionals

## WHAT ATTENDEES GET

- + 2 to 5-day pass with optional ARP certification exam on Wednesday
- + Keynote presentations by leading industry experts
- + Daily refreshments, snacks, lunch, networking receptions and dinner
- + CMRP, CMRT, ICML, ARP, Mobius Institute certifications and continuing education units
- + Hands-on presentations & case studies using purpose built test rig
- + See the latest CM Products and services showcased in exhibition hall

**ALL  
NEW**

### LEARNING STREAMS:

Vibration, Oil Analysis, Lubrication, Focused Knowledge, Ultrasound, Condition Monitoring, Infrared, Motor Testing, and Reliability

DAY 1		MONDAY, SEPTEMBER 9	
9:00 - 5:00	<b>PW1:</b> Asset Reliability Practitioner [ARP] Category I Three-Day Workshop - <i>Jason Tranter</i>		

DAY 2		TUESDAY, SEPTEMBER 10	
9:00 - 5:00	<b>PW1:</b> Asset Reliability Practitioner [ARP] Category I Three-Day Workshop - <i>Jason Tranter</i>		
9:00 - 5:00	<b>PW2: Hands-on Workshop:</b> An animated and practical introduction to vibration analysis workshop - <i>Dennis Swanepoel</i>		
12:30 - 1:30	Lunch		

DAY 3		WEDNESDAY, SEPTEMBER 11			
8:00 - 9:00	Welcome Coffee and Tea in Foyer				
9:00 - 12:00	<b>WS1:</b> Practical Vibration Analysis Workshop: Interactive and challenging case studies (Full Day) - <i>Dennis Swanepoel</i>	<b>Hands-On Workshop:</b> Lubrication 101: A history of bad practices and how to fix it - <i>Paul Dufresne</i>	<b>Hands-On Workshop:</b> Ultrasound testing: An "all access" democratic solution to condition monitoring - <i>Paul Klimuc</i>	<b>Hands-On Workshop:</b> Spindle care workshop - <i>Tom Hoenig</i>	
	<b>PW1:</b> Asset Reliability Practitioner [ARP] Category I Three-Day Workshop - <i>Jason Tranter</i>				
12:00 - 1:00	Lunch				
1:00 - 4:00	<b>WS1:</b> Practical Vibration Analysis Workshop: Interactive and challenging case studies (Full Day) - <i>Dennis Swanepoel</i>	<b>Hands-On Workshop:</b> Oil analysis data interpretation - <i>Evan Zabawski</i>	<b>Hands-On Workshop:</b> Connecting the CBM program dots - <i>Frederic Baudart</i>	<b>Hands-On Workshop:</b> Application of Electrical and Current Signature Analysis in Industrial/Commercial Sites - <i>Howard Penrose</i>	
	<b>PW1:</b> Asset Reliability Practitioner [ARP] Category I Three-Day Workshop - <i>Jason Tranter</i>				
4:00	Welcome Reception with Complimentary Food and Drinks in Exhibition Hall				
4:30	Mobius Institute Accredited ISO Vibration Analyst Certification Exams, ICML, and CMRP and CMRT exams				



## CERTIFICATIONS OFFERED AT CBM CONFERENCE



[LEARN MORE](#)

## DAY 4

## THURSDAY, SEPTEMBER 12

7:00 - 8:00	Continental Breakfast in Foyer		
8:00 - 8:30	Welcome and Exhibitor Introductions by Jason Tranter, Founder and CEO, Mobius Institute		
8:30 - 9:15	<b>Keynote Presentation</b>		
	<b>STREAM 1</b>	<b>STREAM 2</b>	<b>STREAM 3</b>
9:30 - 10:15	<b>1S1a: Case Study:</b> (90 min) Motion Amplification: real-world case studies from the field - <i>Jeff Hay and Tony Barlow</i>	<b>2S1: Case Study:</b> Waveform analysis at a power utility - <i>Roeloff Hoffman</i>	<b>3S1: Case Study:</b> Contamination control - <i>Paul Llewellyn</i>
10:15 - 10:45	Morning Refreshment and Snack Break in Exhibition Hall		
10:45 - 11:30	<b>1S1b: Case Study:</b> (90 min cont'd) Motion Amplification: Real-world case studies from the field - <i>Jeff Hay and Tony Barlow</i>	<b>2S2a: Case Study:</b> (90 min) Tales from the trenches: achieving CBM goals with connected reliability - <i>Frederic Baudart</i>	<b>3S2:</b> How not to kill your bearings, Condition Based Lubrication - <i>Paul Klimuc</i>
11:45 - 12:30	<b>1S2: Case Study:</b> Beyond traditional condition monitoring - how HD vibration data can be used for your process - <i>Tim Sundstrom</i>	<b>2S2b: Case Study:</b> (90 min cont'd) Tales from the trenches: achieving CBM goals with connected reliability - <i>Frederic Baudart</i>	<b>3S3: Case Study:</b> Smart Lubrication: How Industry 4.0 is Revolutionizing Oil Analysis and Lubrication Management - <i>Mark Barnes</i>
12:30 - 1:45	<b>CBM CONFERENCE Theater:</b> 15 minute presentations		
12:30 - 1:45	Lunch and Dessert in Exhibition Hall and Theater Presentations		
1:45 - 2:30	<b>1S3: Case Study:</b> The challenges of successful monitoring of machines with complex operating procedures - <i>Christer Larsson</i>	<b>2S3: Case Study:</b> Don't let the unseen bite you - ultrasonic electrical inspections - <i>T.J. Garten</i>	<b>3S4: Case Study:</b> Do your walk-around equipment inspections really contribute to asset reliability? - <i>Forrest Pardue</i>
2:30 - 3:00	Afternoon Refreshment and Snack Break in Exhibition Hall		
3:00 - 3:45	<b>1S4a: Case Study:</b> (20 min.) Accurate validation of critical alarms - testing switches & seismoprobes via shaker table - <i>Marco Pres and Stu Alqaissia</i> <b>1S4b: Case Study:</b> (20 min.) Sustaining the move from reactive to precision maintenance - <i>Harland Machacon</i>	<b>2S4: Case Study:</b> (20 min.) Infrared and ultrasound a match made for reliability and safety - <i>Roy Huff</i>	<b>3S5a:</b> (90 min.) Leading reliability skill set improvements: illusion vs. sustainability - <i>Ian McKinnon</i>
4:00 - 4:45	<b>1S5: Case Study:</b> Revolution in fluid film bearing monitoring - <i>Dries Van Loon</i>	<b>2S5:</b> Slow speed bearing monitoring using ultrasound - <i>Adrian Messer</i>	<b>3S5b:</b> (90 min. cont'd.) Leading reliability skill set improvements: illusion vs. sustainability - <i>Ian McKinnon</i>
4:45 - 6:00	Networking Reception with Complimentary Hors d'oeuvres and Drinks in Exhibition Hall		
6:00	Dinner and Live Music with Complimentary Food and Drinks		

## DAY 5

FRIDAY, SEPTEMBER 13

7:00 - 8:00	Continental Breakfast in Foyer			
8:00 - 9:30	Welcome and Exhibitor Introductions by Jason Tranter, Founder and CEO, Mobius Institute			
8:30 - 9:30	<b>Keynote Presentation</b>			
9:30 - 10:00	Morning Refreshment and Snack Break in Exhibition Hall			
	<b>STREAM 1</b>	<b>STREAM 2</b>	<b>STREAM 3</b>	<b>STREAM 4</b>
10:00 - 10:45	<b>1S6:</b> Vibration based condition monitoring - risk and critical factor assessment best practices - <i>Ron Kittle</i>	<b>2S6:</b> Great Safety is Great Business - <i>Mel Terk</i>	<b>3S6:</b> Mastering single-plane balancing - <i>Jason Tranter</i>	<b>4S7:</b> Fusing multiple sensor technologies for advanced diagnostics - <i>Saar Yoskovitz</i>
11:00 - 11:45	<b>1S7: Case Study:</b> Variable loading effect on vibration - <i>Han-Cian Gee</i>	<b>2S7:</b> Condition based maintenance strategies for electrical asset reliability - <i>Mel Terk</i>	<b>3S7:</b> Understanding resonance - <i>Jason Tranter</i>	<b>4S8: Case Study</b> SRR/ PdM methodology of proper testing requirements for DOE critical process equipment at Savannah River Site - <i>Danny Newton</i>
11:45 - 1:00	<b>CBM CONFERENCE Theater:</b> 15 minute presentations			
11:45 - 1:00	Lunch and Dessert in Exhibition Hall and Theater Presentations			
1:00 - 1:45	<b>1S8:</b> Vibration analysis on variable speed machines - <i>Stephen Bailey</i>	<b>2S8: Case Study:</b> Gas turbine alignment in less than an hour - <i>Dries Van Loon</i>	<b>3S8:</b> Detecting and correcting resonance - <i>Jason Tranter</i>	<b>4S9:</b> Energy impact of electric machinery and driven equipment measured through electrical signature analysis for program sustainability - <i>Howard Penrose</i>
2:00 - 2:45	<b>1S9:</b> Can ODS data be used to diagnose unbalance in rotating machinery? - <i>Mark Richardson</i>	<b>2S9:</b> Alignment and thermal growth - <i>Michael Halstead</i>	<b>3S9:</b> Estimating the remaining life of a rolling element bearing with vibration, ultrasound, oil, and infrared analysis - <i>Jason Tranter</i>	<b>4S10:</b> Gaps... In your electric motor reliability program - <i>Noah Bethel</i>
3:00 - 3:45	<b>1S10:</b> Maintenance and reliability metrics - <i>Paul Dufresne</i>	<b>2S10: Case Study:</b> Understanding the complexities of all that is referred to as "soft foot" - <i>Greg Buscarello</i>	<b>3S10:</b> Practical high frequency demodulation - <i>Dennis Swanepoel</i>	<b>4S11:</b> Detecting partial discharge in high voltage motors and generators - <i>Sean McCall</i>
3:45	Interactive Forum / Closing / Giveaways			

## EXPO TIMES

**WEDNESDAY, SEPTEMBER 11**  
4:00 - 6:00

**THURSDAY, SEPTEMBER 12**  
10:15 - 6:00

**FRIDAY, SEPTEMBER 13**  
9:30 - 1:00

## PREMIER SPONSORS



## ENHANCED SPONSORS



## ALL EXHIBITORS



## MEDIA SPONSORS



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# REGISTRATION INFORMATION



**CBM**  
**CONFERENCE™**  
USA 2019

Indianapolis, IN

**CBM Conference special hotel rate: \$159 + tax per night**

## INDIVIDUAL ADMISSION

## TEAM ADMISSION

DON'T MISS THE ARP OR HANDS-ON VIBRATION ANALYSIS WORKSHOP ON MONDAY

### 5-DAY

Includes Monday-Wednesday ARP CAT I Course  
September 9-13

### 4-DAY

Includes Tuesday Hands-On Vibration Analysis Workshop  
September 10-13

### 3-DAY PASS

September 11-13

### TEAM 5-DAY FOR 3+ PEOPLE

Includes Monday-Wednesday ARP CAT I Course  
September 9-13

**BEST VALUE**

### TEAM 4-DAY FOR 3+ PEOPLE

Includes Tuesday Hands-On Vibration Analysis Workshop  
September 10-13

### TEAM 3-DAY FOR 3+ PEOPLE

September 11-13

### BOOK EARLY AND SAVE - BUY ONE PASS GET ONE FREE

BY JUNE 19	BY AUGUST 21	STANDARD	BY JUNE 19	BY AUGUST 21	STANDARD
\$1099	\$1199	\$1299	\$949	\$1049	\$1149
\$899	\$999	\$1099	\$749	\$849	\$949
\$699	\$799	\$899	\$549	\$649	\$849

\*For current rates & discounts check website [thebcmconference.com](http://thebcmconference.com)

## REGISTER ONLINE

### CAN'T MAKE USA?

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