












GOLD COAST | 6-9 AUGUST, 2018

# INTERNATIONAL MACHINE VIBRATION ANALYSIS & CONDITION MONITORING CONFERENCE

POWERED BY MOBIUS INSTITUTE

THIRD OF FOUR IMVAC CONFERENCES IN 2018 FEATURING PRESENTATIONS ON:

Vibration Analysis 	Thermography 	Oil Analysis 	Wear Particle 	Motor Testing 	Ultrasound 	Lubrication 	Alignment 	Balancing 
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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 Vibration Analysis and Condition Monitoring Technologies
- + Improve diagnostic knowledge and skills
- + Build relationships with peers who face the same challenges

## WHO

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

## WHAT ATTENDEES GET

- + 3 day pass plus optional bonus day with your choice of half or full day workshop
- + Keynote presentations by leading experts
- + Receive video recordings of all sessions
- + Daily tea, lunch and networking receptions and dinner
- + CMRP, CMRT, ICML, Mobius Institute certifications and continuing education units
- + Hands-on presentations & case studies
- + See the latest CM products and services showcased in exhibition hall
- + BONUS DAY - Monday full day reliability workshop

**ALL  
NEW!**

**RELIABILITY STREAM  
ADDED FOR 2018!**

# AGENDA

## BONUS DAY

**MONDAY, AUGUST 6**

09:00 - 5:00	Registration
09:00 - 5:00	Reliability with an emphasis on condition monitoring: a blended workshop (Part 1 - Part 2 required Tues am) - <i>Jason Tranter</i>
12:30 - 1:30	Lunch

## DAY 1

**TUESDAY, AUGUST 7**

07:00 - 08:00am	Welcome Coffee and Tea			
09:00am - 12:00pm	<b>WS1:</b> Practical Vibration Analysis Workshop: Interactive and challenging case studies (Part 1 - Part 2 required below) - <i>Scott Dow</i>	<b>AMWS2:</b> How to conduct an effective bearing root cause failure analysis - <i>Darren Kenworthy</i>	<b>AMWS3:</b> Ultrasonic Lubrication - <i>Paul Klimuc</i>	<b>PW1:</b> Reliability with an emphasis on condition monitoring: a blended workshop (Part 2 - Part 1 required all day Monday) - <i>Jason Tranter</i>
10:30 - 11:00am	Morning Coffee and Tea Break			
12:00 - 1:00pm	Lunch			
1:00 - 4:00pm	<b>WS1:</b> Practical Vibration Analysis Workshop: Interactive and challenging case studies (Part 2 - Part 1 required above) - <i>Scott Dow</i>	<b>PMWS4:</b> Machine Health - Benefits of Laser Alignment - <i>Sven Fleischer</i>	<b>PMWS5:</b> An introduction to flexible rotor balancing - <i>Jason Tranter</i>	
2:00 - 2:30	Afternoon Coffee and Tea Break			
4:00 - 6:00pm	Welcome Networking Reception with food & drinks in Exhibition Hall			
4:30pm	Certification Exams - Mobius Institute Accredited ISO Vibration Analyst Certification Exams, ICML, and CMRP and CMRT exams			



## CERTIFICATIONS OFFERED AT IMVAC



[LEARN MORE](#)

\*Schedule subject to change.

# AGENDA



## DAY 2 WEDNESDAY, AUGUST 8

07:00 - 08:00am	Morning Coffee and Tea			
08:00 - 09:15am	Welcome and Introduction to Exhibitors - Jason Tranter, Founder and CEO, Mobius Institute			
	<b>KN1:</b> Keynote: - Aligning an Organization to Achieve Reliability Excellence - Paul Dufresne			
	<b>STREAM 1</b>	<b>STREAM 2</b>	<b>STREAM 3</b>	<b>STREAM 4 RELIABILITY</b>
09:30 - 10:15am	<b>1S1:</b> Case Study: Utilising advanced automated systems for the effective monitoring of draglines - Andy Stockings	<b>2S1:</b> Case Study: Predictive Maintenance by performance analysis of plant: the lost art? - Ray Beebe	<b>3S1a:</b> 90 min.- Lubrication Contamination Control - Frank Asamoah Asmah	<b>4S1:</b> A roadmap strategy for implementing an effective reliability improvement initiative - Jason Tranter
10:15 - 10:45am	Morning Coffee/Tea Break in Exhibition Hall			
10:45 - 11:30am	<b>1S2:</b> Case Study: Detection of root cause of unplanned plant shutdowns with online condition monitoring - Remi Delitte	<b>2S2:</b> Case Study: A Low Risk Solution for Rotating Equipment Assets where Failure is a High Business Risk - Peter Todd	<b>3S1b:</b> 90 min. (cont'd) - Lubrication Contamination Control - Frank Asamoah Asmah	<b>4S2:</b> Case Study: A Reliability Journey - Defining Our Future! - Paul Dufresne, CLS, CMRP, CMRT, CPMM
11:45 - 12:30pm	<b>1S3:</b> Case Study: How do expert systems influence the work of a vibration analyst in today's environment? - Bruno Fouille	<b>2S3:</b> Case Study: HD Technology : following a bearing damage in a gearbox for 32 months - Tim Sundstrom	<b>3S2:</b> How to separate Unbalance from Misalignment and reasons we get the M's and W's in the waveform and why we may not - Clyde Volpe	<b>4S3:</b> Asset criticality and its influence on effective equipment condition management - Bruce Lawrence
12:30 - 1:30pm	Lunch in Hanlan's Restaurant & Dessert in Exhibition Hall			
1:30 - 2:15pm	<b>1S4:</b> Case Study: MVX Monitoring For Container Cranes - Stephen Read	<b>2S4a:</b> (20 min.) Case Study: Cryogenic Submersible Vertical Pump experiencing High Vibration - Ahmad Fadzli Ismail <b>2S4b:</b> (20 min.) Case Study: Trouble commissioning a 200kW fan - Peter Moncrieff	<b>3S3:</b> Case Study: Condition Monitoring & Precision Alignment - energy efficiency - Sven Fleischer	<b>4S4:</b> Selling Reliability to senior management - Jason Tranter
2:30 - 3:15pm	<b>1S5:</b> The Basics of Time Waveform Analysis - Scott Dow	<b>2S5:</b> Case Study: Exciter Gearbox Reliability Improvement Program - Geoff Manley	<b>3S4a:</b> (20 min.) Case Study: SIMMONS FEED: Training, Certification, Pride, Lubrication Program Success, and Recognition - Leslie Fish <b>3S4b:</b> (20 min.) Case Study: CO2 gas leakage detection at AGL Loy Yang Power Station - Peter Fanning	<b>4S5:</b> Case Study: Capturing the Knowledge of Aging Workforce - Paul Dufresne, CLS, CMRP, CMRT, CPMM

\*Schedule subject to change.

# AGENDA

DAY 2 (CONT.)		WEDNESDAY, AUGUST 8			
3:15 - 3:45pm	Afternoon Coffee/Tea Break in Exhibition Hall				
	STREAM 1	STREAM 2	STREAM 3	STREAM 4 RELIABILITY	
3:45 - 4:30pm	<b>1S6:</b> 9 MW Boiler Feed Pump Way Past its Use By Date - <i>Simon Hurricks</i>	<b>2S6a:</b> (20 min.) Case Study: Vibration Analysis of Bearing Faults - <i>Priyan Perera</i> <b>2S6b:</b> (20 min.) Case Study: Vibration monitoring for planetary gearbox in vertical axis coal mill - <i>Bagus Catur Pamungkas</i>	<b>3S5:</b> Profitable Condition Monitoring - <i>Geoff Soper</i>	<b>4S6:</b> Case Study: Implementation of a World Class Reliability Program at a Tyre Plant - <i>Rodney Fitzpatrick</i>	
4:30 - 5:30pm	Networking Reception with food and drinks in Exhibition Hall				
6:00 - 8:30pm	Evening Dinner & Live Music				

DAY 3		THURSDAY, AUGUST 9		
07:00 - 08:00am	Morning Coffee and Tea			
08:00 - 09:00am	Welcome and Introduction to Exhibitors			
	<b>KN2:</b> Keynote: The future of vibration monitoring and analysis (will computers take your job?) - <i>Jason Tranter</i>			
	STREAM 1	STREAM 2	STREAM 3	
9:15 - 10:00am	<b>1S7:</b> Case Study: My 30 year journey through Good and Bad Vibrations. - <i>Dana Lake</i>	<b>2S7:</b> Online Monitoring Solution for Slew Bearings – Fault Diagnosis and Prognosis - <i>Farrukh Yaqub</i>	<b>3S6a:</b> (90 min.) What You Should Know When Requesting Workshop Dynamic Balancing - <i>John Manson</i>	
10:15 - 11:00am	<b>1S8:</b> Controlling vibration with tuned mass dampers - <i>Simon Hurricks and Jason Tranter</i>	<b>2S8:</b> Realising the full benefits of airborne and structure borne ultrasound - <i>Ian Ware</i>	<b>3S6 :</b> (90 min.) cont'd. What You Should Know When Requesting Workshop Dynamic Balancing - <i>John Manson</i>	
11:00 - 11:30am	Morning Coffee/Tea Break in Exhibition Hall			

\*Schedule subject to change.

# AGENDA



## DAY 3 (CONT.)

## THURSDAY, AUGUST 9

11:30 - 12:15pm	<b>1S9:</b> Case Study: How to modify pumps and optimise overhaul to save energy - <i>Ray Beebe</i>	<b>2S9:</b> The importance of combining Vibration analysis and Reliability Engineering into a combined Reliability Maintenance Drive, and how this can be done - <i>Clyde Volpe</i>	<b>3S7:</b> Condition Monitoring of Reciprocating Compressors in oil and gas - <i>Amir Basyouni</i>
12:15 - 1:45pm	Lunch in Hanlan's Restaurant & Dessert in Exhibition Hall		
1:45 - 2:30pm	<b>1S10:</b> Case Study: How the emergence of "Fault Visualisation" as a diagnostic and analysis tool has helped us see and understand the behaviour of bad actors - <i>Andrew Gale</i>	<b>2S10:</b> Condition Monitoring Technologies - <i>Alex Ashitey</i>	<b>3S8:</b> Case Study: HD Technology :a low RPM case, 3 years pre-warning time - <i>Tim Sundstrom</i>
2:45 - 3:30pm	<b>1S11a:</b> (90 min.) Enhance predictive maintenance philosophy through effective vibration monitoring program - <i>Narendra Murthy</i>	<b>2S11:</b> How Digitalization and Machine Learning Can Advance the Vibration Analysis - <i>Paulo Cipriano</i>	<b>3S9:</b> Predictive Maintenance for the Masses - <i>Paul Klimuc</i>
3:45 - 4:30pm	<b>1S11b:</b> (90 min.) cont'd. Enhance predictive maintenance philosophy through effective vibration monitoring program - <i>Narendra Murthy</i>	<b>2S12:</b> Industrial Gearboxes - designed for life? - <i>Steve Stratton</i>	<b>3S10:</b> (RTT-CMS) Real Time Total Condition Monitoring System - <i>Ali Izadi</i>
4:30 - 5:30pm	Interactive Forum / Closing / Giveaways		

\*Schedule subject to change.

# EXPO



## EXPO TIMES

TUESDAY, AUGUST 7

4:30 - 6:00pm

WEDNESDAY, AUGUST 8

10:15 - 5:30pm

THURSDAY, AUGUST 9

10:45 - 1:00pm

## PREMIER SPONSORS



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\*Schedule subject to change.



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# REGISTRATION INFORMATION

POWERED BY MOBIUS INSTITUTE



**IMVAC**  
AUSTRALIA 2018



Novotel Surfers Paradise, Gold Coast, Queensland

**IMVAC special hotel rate: AUD\$165.00 per night**

## 3-DAY ADMISSION

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- PLUS BONUS DAY -

## TEAM ADMISSION

DISCOUNT EXPIRES 14 APRIL 2018

**PASS** 3-Day Single Pass  
**A\$799 pp**

**PASS** 3-Day + Reliability Workshop  
**\$999 pp\***

**PASS** Team 3-Day for 3+ people  
**\$649 pp\***

**PASS** Team 3-Day + Reliability Workshop  
**\$849 pp\***

✓ Access to ALL streams, workshops, sessions and Exhibition Hall

✓ Includes food, beverage, video recordings, networking events, and much more!

✓ Conference swag and exclusive resources

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

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