

IMVAC

INTERNATIONAL
MACHINE VIBRATION ANALYSIS
CONFERENCE
AUSTRALIA 2017



Tuesday, 05/09/2017

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| 6:00 am - 4:30 pm | Registration | | |
| 7:00 am - 8:00 am | Welcome Coffee and Tea | | |
| 8:00 am - 9:15 am | Welcome and Keynote Address | | |
| 8:45 am - 9:30 am | KN1: The Continuous Pursuit of Asset Reliability Malcolm Osenton, Director - Reliability, The Mosaic Company | | |
| 9:30 am - 12:30 pm | WS1: Practical vibration analysis workshop: Interactive and challenging case studies (Part 1 - Part 2 required below) by Scott Dow Scott Dow, Senior Instructor, Mobius Institute | AMWS2: Time signal analysis of ultrasound signals workshop by Tom Murphy Tom Murphy, Corporate Training Manager, SDT Ultrasound Solutions | AMWS3: Rolling bearing applications, failure analysis & reliability improvement - missing links by Darren Kenworthy Darren Kenworthy, Engineering Manager, SKF Australia Pty Ltd |
| 12:30 pm - 1:30 pm | Lunch | | |
| 1:30 pm - 4:30 pm | WS1: Practical vibration analysis workshop: Interactive and challenging case studies (Part 2 - Part 1 required above) by Scott Dow Scott Dow, Senior Instructor, Mobius Institute | PMWS2: An animated introduction to fluid-film bearing vibration analysis workshop by Jason Tranter Jason Tranter, Managing Director, Mobius Institute | PMWS3: Improving electrical reliability by implementing a motor diagnostic and testing program by William Kruger William Kruger, Technical & Training Manager, ALL-TEST Pro, LLC |
| 4:30 pm - 6:00 pm | Welcome Reception in Exhibition Hall | | |

Wednesday, 06/09/2017

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| 6:00 am - 4:30 pm | Registration | | |
| 7:00 am - 8:00 am | Morning Coffee and Tea | | |
| 8:00 am - 9:15 am | Welcome and Keynote Address | | |
| 8:30 am - 9:15 am | Keynote Presentation by David Parkin David Parkin, Champion AFL Coach and Business Leader | | |
| 9:30 am - 10:15 am | 1S1: A visual introduction to modal analysis Jason Tranter, Managing Director, Mobius Institute | 2S1: Used oil analysis as both a condition monitoring & productivity improvement tool Brenden Tymensen, Sr. Sales Advisor, ExxonMobil | 3S1: Bearing failures and remedies Andreas Pieper, Engineering & Quality Manager, Schaeffler Australia |
| 10:15 am - 10:45 am | Morning Coffee and Tea Break in Exhibition Hall | | |
| 10:45 am - 11:30 am | 1S2: Case Study: Modal balancing and over speed testing of large turbo-alternator rotors. Simon Hurricks, Predictive Maintenance Engineer, Genesis Energy Ltd | 2S2: A Most Unusual Hydro Generation Problem - 93m below water Matthew Fallow, Founder, Asset Quality | 3S2: High definition gearbox monitoring Tim Sundstrom, Manager of Strategic Sales & Application, SPM Instrument AB |
| 11:45 am - 12:30 pm | 1S3: Continuous Monitoring Solution over the Internet for Heavy Earth Moving Equipment David Dick, Condition Monitoring Technician, Rio Tinto Paulo Cipriano, Global CBM Services CoE Cluster Manager, SKF Australia Pty Ltd | 2S3: Case Study: The integration of ultrasonic acoustic and vibration techniques to enhance our rotating equipment CM program David Kauppila, Regional Reliability Manager, Wilmar Sugar, Herbert River Mills | 3S3: Using Root Cause Analysis to Solve Equipment Problems Peter Todd, Reliability Engineer, ARIA |
| 12:30 pm - 1:30 pm | Lunch in Exhibition Hall | | |
| 1:30 pm - 2:15 pm | 1S4: Case Study: Gearbox failure Wendy Kera, Principal Defect Elimination - Condition Monitoring, BHP Billiton | 2S4: Smart Reliability CBM & Fourth Industrial Revolution Sven Fleischer, Area Sales Manager, PRUFTECHNIK S.E.A. PTE LTD | 3S4a: (90 min.) A quick introduction to the other condition monitoring technologies Jason Tranter, Managing Director, Mobius Institute |
| 2:30 pm - 3:15 pm | 1S5: Do we really have to take averages or are we just wasting our time? | 2S5: Case Study: Connecting Asset Health to Asset Strategies in real time | 3S4b: (90 min.) cont'd. A quick introduction to the other condition monitoring technologies |

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| 3:15 pm - 3:45 pm | Clyde Volpe, Owner, Vibration Institute of Australia Afternoon Coffee and Tea Break in Exhibition Hall | Graham Forrester, Managing Director, NVMS Solutions | Jason Tranter, Managing Director, Mobius Institute |
| 3:45 pm - 4:30 pm | 1S6: Evolution of Condition Monitoring Program Malcolm Osenton, Director - Reliability, The Mosaic Company | 2S6: Oil condition monitoring and varnish mitigation for steam/gas turbines and compressors Pierre Vanderkelen, VP Intl Sales, Fluitec Wayne Buckland, Owner, CTG Lubrication Services | 3S5: Case Study: Low Speed Bearing Lubrication, Monitoring & Reliability Peter Todd, Reliability Engineer, ARIA |
| 4:30 pm - 5:30 pm | Reception in Exhibition Hall | | |
| 6:00 pm - 8:30 pm | Evening Dinner & Entertainment | | |

Thursday, 07/09/2017

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| 6:00 am - 3:00 pm | Registration | | |
| 7:00 am - 8:00 am | Morning Coffee and Tea | | |
| 8:00 am - 8:45 am | KN3: Making Vibration Analysis Count Jason Tranter, Managing Director, Mobius Institute | | |
| 9:00 am - 9:45 am | 1S7a: (90 min.) Rolling element bearings - Why the harmonics, why the side bands Clyde Volpe, Owner, Vibration Institute of Australia | 2S7: CM Program KPIs- Key to survival and growth of CM programs Tarun Motwani, Sr. Engineer- CM & Lubrication, Visy Paper | 3S6: Accurate condition monitoring of ultra-low and low speed machines Tim Sundstrom, Manager of Strategic Sales & Application, SPM Instrument AB |
| 10:00 am - 10:45 am | 1S7b: (90 min.) Rolling element bearings - Why the harmonics, why the side bands Clyde Volpe, Owner, Vibration Institute of Australia | 2S8: Acoustic vibration monitoring Tom Murphy, Corporate Training Manager, SDT Ultrasound Solutions | 3S7: Online Condition Monitoring utilising Acoustic Emission on a very slow speed application Mark Ciechanowicz, Industrial Services Manager, Schaeffler Australia Pty Ltd |
| 10:45 am - 11:15 am | Refreshment and Snack Break in Exhibition Hall | | |
| 11:15 am - 12:00 pm | 1S8: Motion Amplification - Moving vibration analysis to the visual spectrum Andrew Gale, Technical Director, | 2S9: Using Ultrasound for Super Slow Speed Applications Ian Ware, Managing Director, Ultra-Tek | 3S8: Understanding Machinery Malfunctions for Automated Detection, Trending and Alarming John Morey, Engineer, Tensor |

Optical Motion Technologies

Systems Pty Ltd

12:00 pm - 1:00 pm

Lunch in Exhibition Hall

1:00 pm - 1:45 pm

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| 1S9: Nefarious methods of reducing vibration caused by resonance in large turbo machinery. Simon Hurricks, Predictive Maintenance Engineer, Genesis Energy Ltd | 2S10: Case Study: Maximising Cost Effectiveness of Machine Condition Monitoring Frequencies Peter Todd, Reliability Engineer, ARIA | 3S9a: (90 min.) Case Study: Vibration in the real world – examples from the field John van Bynen, Director, Commotion Systems Pty Ltd |
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2:00 pm - 2:45 pm

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| 1S10: VFDs: The vibration analysts's worst nightmare Scott Dow, Senior Instructor, Mobius Institute | 2S11: Inner Race Bearing Faults Glenn Withington, Condition Monitoring Technician, Rio Tinto | 3S9b: (90 min.) cont'd. Case Study: Vibration in the real world – examples from the field John van Bynen, Director, Commotion Systems Pty Ltd |
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2:45 pm - 3:00 pm

Afternoon Coffee and Tea in Foyer

3:00 pm - 3:45 pm

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| 1S11: Isolators – How on earth does putting springs under a machine reduce vibration? Jason Tranter, Managing Director, Mobius Institute | 2S12: Implementation of Condition Monitoring in Well Head Compressor Operation Puji Nugroho, Mechanical Engineer, VICO Indonesia | 3S10: Case Study Challenge: Test your analysis skills in a case study presentation that asks you, the audience, to decide what to do next Scott Dow, Senior Instructor, Mobius Institute |
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3:45 pm - 5:00 pm

Interactive Forum / Closing / Giveaways

08/09/2017

8:00 am - 12:30 pm

Certification Day - CAT I, II, III Certification Exam