
The Second Vibration Institute Middle East Conference (VIMECONF-2020)

Virtual on Whova, October 26-28 2020

Second Vibration Institute Middle East Conference 2020 – Abstract Book

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Sunday, October 25, 2020		
08:00 - 12:30 Training Classroom	Electric Motor Testing Technologies Course	
	Andrea Giammattei ISE S.r.l.	Domenico Pascazio Senior Reliability & Predictive Maintenance Engineer, ISE
13:00 - 17:30 Training Classroom	Practical Balancing Course	
	Kevin Guy Senior Field Analyst, Delaware Analysis Services, Inc	
Monday, October 26, 2020		
08:45 - 10:10 Technology Track	Opening Remarks + Keynote Speaker Session 1 “Motion Magnified Video Application to Machinery Diagnosis”	
	Bill Marscher CEO and Senior Consultant, Mechanical Solutions, Inc.	
	Main Virtual Conference Hall	
10:10 - 10:55	Virtual Coffee Break	
	Networking Chat Rooms and Virtual Exhibit Hall	
11:05 - 12:25 Technology Track	Plenary Speaker Session 1 “Standardized Fan Diagnostics According To ISO 13373-5”	
	Prof. El-Shafei Managing Director, RITEC - The Condition Monitoring Company	
	Main Virtual Conference Hall	
12:35 - 13:55 Technology Track	Virtual Lunch - Gold Sponsor “Applications and Limitations of the Single Degree-of-Freedom Vibration Model”	
	Bob Sayer President Of The Board Of Directors, Vibration Institute	
	Virtual Gold Sponsor Hall	
14:05 - 15:25 Technology Track Case Studies Track	Break-out Sessions	
	Virtual Conference Halls	
14:05 - 14:40 Technology Track	Technology Session-01 “Broad–Band Ultrasound as a New Technology In Condition Monitoring”	
	Peter Holstein Strategic Development, SONOTEC	Nicki Bader Designer, SONOTEC
14:05 - 14:40 Case Studies Track	Case Studies Session-01 “Valve Leak Detection in a Reciprocating Compressor Using Peakvue”	
	Khalid R. AlYamani Technical Director, RITEC- The Condition Monitoring Company	

14:50 - 15:25 Technology Track	Technology Session-02 “Condition Based Lubrication Best Practices Improving Overall Reliability”		
	Ahmed Moataz Regional Manager-MENA Region, UE Systems		
14:50 - 15:25 Case Studies Track	Case Studies Session-02 “Nozzle Failures of a Reciprocating Gas Compressor”		
	Greg Nelson Aux Sable		
15:25 - 16:10	Virtual Coffee Break		
	Networking Chat Rooms and Virtual Exhibit Hall		
16:20 - 17:40 Technology Track Case Studies Track	Break-out Sessions		
	Virtual Conference Halls		
16:20 - 16:55 Technology Track	Technology Session-01 “An online Automatic Faults Identification and Classification of Equipment Using a Modified Evolving Clustering Method and Condition Monitoring Data”		
	Linda Alrabady Reliability Engineering Superintendent, Refining, BP America		
16:20 - 16:55 Case Studies Track	Case Studies Session-01 “Application of Balancing Techniques”		
	Kevin Guy Senior Field Analyst, Delaware Analysis Services, Inc	Justin Guy Field Analyst, Delaware Analysis Services, Inc	
17:05 - 17:40 Technology Track	Tilting Pad Journal Bearing Reverse Engineering and Failure Root Cause Analysis for Pelton Hydro Turbine.		
	Abdul Nassar Softinway Digital Engineering Private Limited	Roman Kochurov Rotordynamics Engineer, Project manager, SoftInWay Inc.	Leonid Moroz Founder, SoftInWay Inc.
17:05 - 17:40 Case Studies Track	Case Studies Session-02 “Using Balancing Ring to Improve Static Balancing Accessibility and Quality”		
	Nabil Rashwan Assistant Professor, Pharos University in Alexandria		
17:50 - 19:10 Technology Track	Virtual Cocktail Reception “Turbo-Machinery Laboratory at Texas A&M University”		
	Greg Gammon Director of Global and Corporate Partnerships, TURBOMACHINERY LABORATORY TEXAS A&M ENGINEERING EXPERIMENT STATION	Dag Calafell Texas A&M Turbomachinery Laboratory	Eric Petersen Director, Turbomachinery Laboratory at Texas A&M University
	Silver Sponsor Virtual Hall		

Tuesday, October 27, 2020		
08:50 - 10:10 Technology Track	Keynote Speaker Session 2 “Novel Higher Order Signal Processing for Vibration Condition Monitoring, Structural Health Monitoring and NDT”	
	Prof. Gelman Professor, Chair in Signal Processing and Condition Monitoring and the Director of Centre for Efficiency and Performance Engineering, University of Huddersfield	
	Main Virtual Conference Hall	
10:10 - 10:55	Virtual Coffee Break	
	Networking Chat Rooms and Virtual Exhibit Hall	
11:05 - 12:25 Case Studies Track	Plenary Speaker Session 2 “Vibration Issues When Operating Centrifugal Pumps at Off-Design Conditions”	
	Bill Marscher CEO and Senior Consultant, Mechanical Solutions, Inc.	
	Main Virtual Conference Hall	
12:35 - 13:55 Technology Track	Virtual Lunch and Gold Sponsor dedicated Virtual Hall - ERBESSD INSTRUMENTS	
	Thierry Erbessd PPresident, ERBESSD INSTRUMENTS	M. David Howard CEO, ERBESSD INSTRUMENTS
	Virtual Gold Sponsor Hall	
14:05 - 15:25 Technology Track Case Studies Track	Break-out Sessions	
	Virtual Conference Halls	
14:05 - 14:40 Technology Track	Technology Session-01 An Interactive Time and Frequency Signal Processing Brief Tutorial	
	Ahmed El-Shafei Marketing Manager, RITEC - The Condition Monitoring Company	
14:05 - 14:40 Case Studies Track	Case Studies Session-01 “MECHANICAL VIBRATION ANALYSIS IN PAPER INDUSTRY”	
	Chiara Ciullo Reliability Engineer, ISE	Sandro Berchiolli CEO, ISE
14:50 - 15:25 Technology Track	Technology Session-02 “Future Challenges for Condition Monitoring and Predictive Maintenance”	
	Marco Ramacciotti Research & Applications Manager, ISE	
14:50 - 15:25 Case Studies Track	Case Studies Session-02 “How Maintenance 4.0 Eliminates Unplanned Downtime on Overhead and Gantry Cranes”	
	Pieter Van Camp Customer Care Officer, I-Care Group	
15:25 - 16:10	Virtual Coffee Break	
	Networking Chat Rooms and Virtual Exhibit Hall	

16:20 - 17:40 Technology Track Case Studies Track	Break-out Sessions
	Virtual Conference Halls
16:20 - 16:55 Technology Track	Technology Session-01 "Optical Encoder Application of Vibration Analysis"
	Jack Peters Member, Accelent Technology LLC
14:50 - 15:25 Case Studies Track	Case Studies Session-01 "Resolving Blower Persistent Resonance Using Teflon Plates"
	Abdullah Al-Obud Mechanical Engineer, Saudi Aramco
17:05 - 17:40 Technology Track	Technology Session-02 "Calculating the RMS Energy of the FFT"
	Jack Peters Member, Accelent Technology LLC
17:05 - 17:40 Case Studies Track	Case Studies Session-02 "Troubleshooting of a High Speed Turbocharger Test Rig"
	Mohamed Ibrahim R&D Mechanical Engineer, Cairo University
17:50 - 19:10 Technology Track	Virtual Cocktail Reception and Silver Sponsor dedicated Virtual Hall - SONOTEC
	Silver Sponsor Virtual Hall
Wednesday, October 28, 2020	
08:50 - 10:10 Technology Track	Keynote Speaker Session 3 "Understanding Rotor Axial Position and its Effects-Making Sense of Machinery Rack Thrust Readings"
	Ali M. Al-Shurafa Senior Reliability & Machinery Vibration Advisor, Saudi Aramco
	Main Virtual Conference Hall
10:10 - 10:55	Virtual Coffee Break
	Networking Chat Rooms and Virtual Exhibit Hall
11:05 - 12:25 Technology Track	Plenary Speaker Session 3 "Fundamentals of API Rotordynamic Requirements"
	C. Hunter Cloud President, BRG MACHINERY CONSULTING, LLC
	John A. Kocur Machinery Consultant, BRG MACHINERY CONSULTING, LLC
	Main Virtual Conference Hall
12:35 - 13:55 Technology Track	Virtual Lunch and Gold Sponsor dedicated Virtual Hall - RITEC
	Virtual Gold Sponsor Hall
14:05 - 14:40 Technology Track	Technology Session-01 "Numerical Study of Contact Stiffness and Damping of Lubricated Ball Bearing Under Different Loads and Speeds Considering Elasto-Hydrodynamic Lubrication"
	Sameera Mufazzal Research Scholar (Machine Design), Jamia Millia Islamia, New Delhi, INDIA

14:05 - 14:40 Case Studies Track	Case Studies Session-01 “Acceptance Testing Fluid Film Bearing Electric Motors”		
	Allen Plymon Category IV Vibration Specialist, Plymon Vibration Consultants		
14:50 - 15:25 Technology Track	Technology Session-02 “How Artificial Intelligence Evaluates Ultrasound Data for Predictive Maintenance”		
	Markus Loinig CEO, Senzoro		
14:50 - 15:25 Case Studies Track	Case Studies Session-02 “Motor Acceptance Testing Practical Mounting Technique”		
	Brian Biby Senior Engineer, ArcelorMittal - Indiana Harbor	Allen Plymon Category IV Vibration Specialist, Plymon Vibration Consultants	
15:25 - 16:10	Virtual Coffee Break		
	Networking Chat Rooms and Virtual Exhibit Hall		
16:20 - 17:40 Case Studies Track	Break-out Sessions		
	Virtual Conference Halls		
16:20 - 16:55 Case Studies Track	Case Studies Session-01 “Resolution of High Vibration Problem for a 3MW Steam Turbine”		
	Mohd Dasuki Yusoff Staff (Rotating Equipment), Petronas Gas Berhad	M Arif b A Rahman Technical Trade Specialist, Petronas	Siddiq Foong Condition Monitoring Engineer, PETRONAS
16:20 - 16:55 Case Studies Track	Case Studies Session-02 “INVESTIGATING HIGH VIBRATION PROBLEM IN A MULTI-STAGE PUMP”		
	Abdelazim Soliman Project Manager, RITEC - The Condition Monitoring Company		
17:05 - 17:40 Case Studies Track	Case Studies Session-03 “Pump Vane Pass Frequency Vibration – Effects and Mitigation”		
	Mantosh Bhattacharya Expert on Turbomachinery, Petrofac		
17:05 - 17:40 Case Studies Track	Case Studies Session-04 “Resolving High Vibration of a Huge Centrifugal Fan at Cement Plant”		
	Walid Ahmed Vibration specialist, Amreyah Cement Company		
Thursday, October 29, 2020			
13:00 - 17:30 Training Classroom	Vibration Problems and Solutions in Pumps and Turbomachinery Course		
	Bill Marscher CEO and Senior Consultant, Mechanical Solutions, Inc.	Maki Onari President, Mechanical Solutions, Inc.	Chad Pasho Business Development Manager, Mechanical Solutions, Inc.