

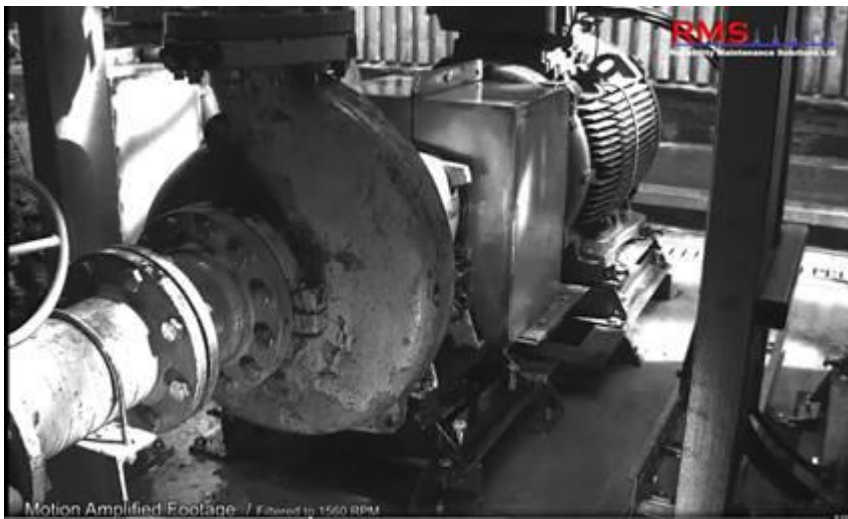


<b>BC CHAPTER MEETING AGENDA</b>	Date: March 28, 2018	
	Start Time: 0900AM	
	Location: Coastal Inn of the North 770 Brunswick St Prince George, BC <b>250.277.4112</b> <u><i>Video Conference</i></u>	
<b>Agenda Topic</b>	<b>Presenter</b>	<b>Time</b>
Meet and greet – Coffee and pastries provided by BC chapter		8:30 am
Meeting Start – Welcome and Introductions from participants	Colin Ostergard – BC Chapter President	09:00 am
CMVA National Report – Report from BOD Spring meeting	John French – CMVA BOD	09:15 am
BC Chapter Treasure’s report Training and Certification Membership and Benefits	Frank Muhle Open Discussion with members	9:30 am
<b>Motion Amplification: Technologies and Case Histories</b> - See page 2	Janos Pattantylus – RDI Technologies	10:00 am
Lunch – provided by BC chapter		12:00
Review of Sam Pickens Book – <b>Vibration Troubleshooting Field Guide – CD book – Basics for alignment</b>	John French	13:00
<b>Vibration Problem Diagnostics -</b>	Round Table Discussion	13:30
<b>Introduction to Operating Deflection Shapes and Modal Analysis</b>	Mike Greer – Spartan Controls	14:15
Closing Remarks – <b>Draw for Sam Pickens CD Book</b>	Colin Ostergard/John French	15:00
Meeting End		15:10
<b>Other Information</b>		
Special Notes:	<b>Please confirm attendance via email Colin Ostergard <a href="mailto:costergard@acuren.com">costergard@acuren.com</a>. The video conference attendance procedure and start up will be emailed the day prior to the meeting</b>	

## **1. Motion Amplification: Technologies and Case Histories by Janos Pattantyus**

Motion Amplification (MA) is a video-processing technique that detects subtle vibratory motion and amplifies it to a level visible to the naked eye. Videos created through Motion Amplification enhance our understanding of the components and interrelationships creating the displacements. Every pixel in the camera becomes a sensor, creating millions of simultaneous data points.

A series of case studies will be examined focusing on machinery, piping and structural components. Often the root cause of machinery failures are hard to specifically diagnose or detect. Traditional vibration can often overlook certain faults like misalignment, looseness and resonances. We will examine how Motion Amplification lends itself to easily identify and diagnose issues common to motors, pumps, fans and more. A live demonstration will be done to help understand the technique.



## **2. Vibration Problem Diagnostics – Round table discussion**

**Meeting participants will discuss machine problems that they have encountered**

- 1. Standards for new motors**
- 2. Bearing wear in electric motors and rotating equipment under the aspect of VSD converter operation.**
- 3. To be added**

## **3. Introduction to Operating Deflection Shapes and Modal Analysis by Mike Greer**

This presentation will present a basic overview on the corrective techniques utilizing vibration technology. Simple and effective methods utilizing basic vibration inputs will be contrasted to detailed engineering studies commonly used in Root Cause Failure Analysis. Consideration of basic methods of planning, and job preparation will be discussed and explored.