

First Vibration Institute Middle East Conference (VI-MEconf2018)

Savoy Hotel, Sharm El-Sheikh, Egypt, March 12-14, 2018

Sunday, March 11, 2018		
09:00 - 13:00	Short Course 1: Introduction to Rotordynamics Dr. Rajagopal Subbiah Orlando, United States	British House Room A
09:00 - 13:00	Short Course 2: Introduction to Field Balancing Khalid AlYamani, Dr. Aly El-Shafei RITEC, Cairo, Egypt	British House Room B
09:00 - 13:00	Short Course 3: Introduction to Operating Deflection Shape & Modal Analysis Dr. Aly El-Shafei, Ahmed El-Shafei RITEC, Cairo, Egypt	British House Room C
16:00 – 20:00	Exhibition Build-Up	Egypt Hall Foyer 1
Monday, March 12, 2018		
08:30 - 10:15	<p style="text-align: center;">Opening Remarks + Session: Keynote Session 1</p> <p>Room: Egypt Hall Chair/s:</p>	
	<p>Mo-Keynote 1-001 MECHANICAL VIBRATION & STRUCTURAL DYNAMIC ANALYSIS OF CENTRIFUGAL FANS</p> <p><u>Bob Sayer</u> <i>Vibration Institute, Oak Brook, United States</i></p>	
10:15 - 11:00	Coffee break	
11:00 - 12:30	<p style="text-align: center;">Session: Plenary Papers 1</p> <p>Room: Egypt Hall Chair/s:</p>	
	Mo-Plenary 1-001	

	<p>An Introduction to Steady State Data Analysis for Sleeve Bearing Machinery</p> <p><u>Bill Pryor</u> <i>PdM Solutions, Texas, United States</i></p>
12:30 - 14:00	Lunch (Hosted By Gold Sponsor Petro Rabigh)
14:00 - 15:30	<p>Session: Technology Track 1</p> <p>Room: British House Room B Chair/s:</p>
	<p>Mo-Technology Track-001 EQUIPMENT RELIABILITY USING ULTRASOUND APPROACH</p> <p><u>Manohar Chidurala</u> <i>Vibration Institute Level II, Ultrasound Level II, Bachelors in Mechanical Engineering 25 years of experience to promoting & implementing Maintenance Technologies, Hyderabad, India</i></p>
	<p>Mo-Technology Track-002 Performing Order Tracking Analysis in the Presence of Close and Crossing Orders</p> <p><u>Jaafar Alsalaet</u> <i>AJR Technology LTD, Basra, Iraq</i></p>
14:00 - 15:30	<p>Session: Case Studies 1</p> <p>Room: British House Room A Chair/s:</p>
	<p>Mo-Case Studies-001 TROUBLESHOOTING OF FAILURE OF 72MW STEAM TURBINE CAUSED BY BEARING PEDESTAL MISALIGNMENT</p> <p><u>LUIS MOSQUERA</u> <i>Petro Rabigh, Rabigh, Saudi Arabia</i></p>
	<p>Mo-Case Studies-002 Marine Vibration Case Studies.</p>

	<p><u>Mohamed Nouh</u> RITEC, Cairo, Egypt</p>
15:30 - 16:15	Coffee break
16:15 - 17:45	<p>Session: Technology Track 2</p> <p>Room: British House Room A Chair/s:</p>
	<p>We-Technology Track-001 Torsional Vibration of Reciprocating Compressors</p> <p><u>Aly El-Shafei</u> RITEC, Cairo, Egypt</p>
	<p>Mo-Technology Track-002 Application of Extreme Value Theory for Automated Alarms</p> <p><u>Daniela Filcheva</u>¹, Matthew Asher¹, Nicholas Lieven¹, Paul Hutchinson² ¹University of Bristol, Bristol, United Kingdom, ²Beran Instruments, Great Torrington, United Kingdom</p>
16:15 - 17:45	<p>Session: Case Studies 2</p> <p>Room: British House Room B Chair/s:</p>
	<p>Mo-Case Studies-001 Solving Chronic Vibration Problem on 1475 HP motor: A case history.</p> <p><u>Ronny H Rusli</u>¹, Faisal Al-Jamhoor² ¹Predictive Maintenance Group Aramco Riyadh Refinery, Riyadh, Saudi Arabia, ²Reliability Unit Aramco Riyadh Refinery, Riyadh, Saudi Arabia</p>
	<p>Mo-Case Studies-002 Case study on Resolving Structural Vibration Issues on a Multi Stage Pump</p> <p><u>Mustafa Shalabi</u>, Ahmad Ashour Baker Hughes, a GE company, Al- Khobar, Saudi Arabia</p>
18:30 - 20:00	<p>Reception Hosted By Silver Sponsor Baker Hughes Egypt Hall Foyer + Blue Nile Hall</p>

Tuesday, March 13, 2018

08:45 - 10:15

Session: Keynote Session 2

Room: Egypt Hall
Chair/s:

Tu-Keynote 2-001

DYNAMIC COEFFICIENTS OF FLUID-FILM BEARINGS AND SEALS IN ROTATING MACHINES: MODELS AND EXPERIMENTAL TESTS

Paolo Pennacchi

Politecnico di Milano, Milan, Italy

10:15 - 11:00

Coffee break

11:00 - 12:30

Session: Plenary Papers 2

Room: Egypt Hall
Chair/s:

Tu-Plenary 2-001

SEMAJIB: A Versatile Bearing

Aly El-Shafei

RITEC, Cairo, Egypt

12:30 - 14:00

Lunch (Hosted By Gold Sponsor RITEC)

14:00 - 15:30

Session: Technology Track 3

Room: British House Room A
Chair/s:

Tu-Technology Track-001

Selected Case Studies of Steam Turbine Vibration

Rajagopal Subbiah

United States

Tu-Technology Track-002

New Findings With Fully Automated Balancing Systems at Fans in the Process Technology Industry

	<p><u>Erwan Godard</u>, Michael Stork <i>Hofmann, Pfungstadt, Germany</i></p>
14:00 - 15:30	<p>Session: Case Studies 3</p> <p>Room: British House Room B Chair/s:</p>
	<p>Tu-Case Studies-001 Using Advanced Vibration Analysis Techniques to Rectify Difficult Vibration Problems (Case Studies)</p> <p><u>Nabil Rashwan</u> <i>Saudi Electricity Company, Riyadh, Saudi Arabia</i></p>
	<p>Tu-Case Studies-002 Troubleshooting High Vibration in a High Speed Compressor</p> <p><u>Khalid AlYamani</u> <i>RITEC, Cairo, Egypt</i></p>
15:30 - 16:15	Coffee break
16:15 - 17:45	<p>Session: Technology Track 4</p> <p>Room: British House Room A Chair/s:</p>
	<p>Tu-Technology Track-002 Structural Identification and ODS for Air-Cooled Heat Exchangers</p> <p><u>Ahmed El-Shafei</u> <i>RITEC, Cairo, Egypt</i></p>
	<p>Tu-Technology Track-001 A New Method for ONLINE VIBRATION DATA COLLECTION, that makes plant-wide condition monitoring easier and less expensive</p> <p>Amitabh Khosla, Steve J Sabin <i>B & K</i></p>

16:15 - 17:45	<h2>Session: Case Studies 4</h2> <p>Room: British House Room B Chair/s:</p>
	<p>Tu-Case Studies-001 Case Study on Resolving high vibration issue on a centrifugal compressor at offshore platform</p> <p><u>AMIT SHARMA</u>, Sherif Mekawey <i>BAKER HUGHES a GE Company, Abu Dhabi, United Arab Emirates</i></p> <hr/> <p>Tu-Case Studies-002 Using On-line Vibration System, Successfully resolving Turbine Generator Problem</p> <p><u>IBRAHIM ALAJMI</u> <i>Saudi Electricity Company, Dammam, Saudi Arabia</i></p>
18:30 - 20:00	Reception Hosted By Silver Sponsor Azima DLI Egypt Hall Foyer + Blue Nile Hall
Wednesday, March 14, 2018	
08:45 - 10:15	<h2>Session: Keynote Session 3</h2> <p>Room: Egypt Hall Chair/s:</p>
	<p>We-Keynote 3-001 Machinery Diagnostics: A Standardized Approach</p> <p><u>Aly El-Shafei</u> <i>RITEC, Cairo, Egypt</i></p>
10:15 - 11:00	Coffee break
11:00 - 12:30	<h2>Session: Plenary Papers 3</h2> <p>Room: Egypt Hall Chair/s:</p>
	We-Plenary 3-001

	<p>VIBRATION ANALYSIS OF PUMP PIPING SYSTEMS</p> <p><u>Bob Sayer</u> <i>Vibration Institute, Oak Brook, United States</i></p>
	<p>We-Plenary 3-002</p> <p>VIBRATION ANALYSIS OF FAN DUCTWORK SYSTEMS</p> <p><u>Bob Sayer</u> <i>Vibration Institute, Oak Brook, United States</i></p>
12:30 - 14:00	Lunch (Hosted By Gold Sponsor the Vibration Institute)
14:00 - 15:30	<p>Session: Technology Track 5</p> <p>Room: British House Room A Chair/s:</p>
	<p>We-Technology Track-001</p> <p>Slow Speed Vibration Monitoring</p> <p><u>Chris James</u> <i>SKF</i></p>
	<p>We-Technology Track-002</p> <p>Time Waveform Analysis</p> <p><u>Bill Pryor</u> <i>PdM Solutions, Dresher, United States</i></p>
14:00 - 15:30	<p>Session: Case Studies 5</p> <p>Room: British House Room B Chair/s:</p>
	<p>We-Case Studies-001</p> <p>Pump and Piping System Interactive Vibration Impacting Project Commission</p> <p><u>Abdullah Abood</u> <i>Saudi Aramco, Dhahran, Saudi Arabia</i></p>
	<p>We-Case Studies-002</p> <p>Case study on resolving high vibration on a Vertical Motor.</p>

	<p><u>Ahmad. Ashour</u>, Mustafa Shalabi <i>Baker Hughes, a GE company, Alkhobar, Saudi Arabia</i></p>
15:30 - 16:15	Coffee break
16:15 - 17:45	<h2>Session: Technology Track 6</h2> <p>Room: British House Room A Chair/s:</p>
	<p>Mo-Technology Track-001 REAL TIME CONDITION MONITORING BASED ON CLOUD COMPUTING: A SURVEY</p> <p><u>Asmaa Elmaghraby</u> <i>Egyptian Electricity Holding Company, Alexandria, Egypt, PhD candidate in faculty of engineering in Alexandria university, Alexandria, Egypt</i></p>
	<p>We-Technology Track-002 DYNAMIC ANALYSIS OF DISCRETE MODEL USING LabVIEW AND NONLIN SOFTWARES - A Comparative Study</p> <p><u>Govardhan Bhat</u>, Palash Rajapandhere <i>National Institute of Technology Raipur, Raipur, India</i></p>
16:15 - 17:45	<h2>Session: Case Studies 6</h2> <p>Room: British House Room B Chair/s:</p>
	<p>We-Case Studies-001 Case Study for Troubleshooting and Resolving High Vibrations of Decanter Separator</p> <p>Ahmed J. Zaidi <i>Petro Rabigh, Rabigh, Saudi Arabia</i></p>
	<p>We-Case Studies-002 SIMPLE SOLUTION THAT SAVE COST: A PREDICTIVE MAINTENANCE CASE HISTORY</p> <p>Ronny H Rusli, <u>Turki Turiky</u>, Sultan Subaie, Abdullah Qahtani, Khaled Dossary, Mohammad Hathal</p>

	<i>Predictive Maintenance Group Saudi Aramco Riyadh Refinery, Riyadh, Saudi Arabia</i>
18:00	Exhibition Tear Down