

**Sound & Vibration Measurements –
ME 459/659 Spring 2019**

invites ME students and faculty to a unique presentation on practical engineering

**Thursday, April 4 2019
5:30-6:45 pm JCAIN 206**

**Real Cases of Rub, Morton Effect,
Parametric Excitation and Shaft Crack
in Rotating Machinery**

by

Dr. John Yu

Senior Technical Manager of Machinery Diagnostics

Baker-Hughes Bently Nevada

Abstract

A discussion on various real cases of thermal rub (Newkirk Effect) and fluid film bearing thermal instability (Morton Effect), Shaft Cracks, etc. with explanations on the physical causes and diagnostics for analysis.

Be prepared to be amazed!

Presenter Bio



Dr. John Yu joined Bently Rotor Dynamics Research Corporation in 1998, followed by General Electric - Bently Nevada in 2002. He has performed not only rotor dynamics research but also machinery vibration diagnostics for customers worldwide, and is now Senior Technical Manager of Machinery Diagnostic Services at Bently Nevada. John has published 50+ technical papers in refereed journals and conference proceedings. Dr. Yu holds a PhD in Mechanical Engineering from University of Alberta, and is an ASME Fellow.