

Department of Systems Engineering and Engineering Management

Seminar Series

Advanced Machine Condition Monitoring and Fault Diagnosis

Prof. Tian Ran Lin

Distinguished Professor in Mechanical Engineering
Qingdao University of Technology, China

Date	16 March 2018 (Friday)
Time	11:00am - 12:00noon
Venue	P7311, 7/F, Yeung Kin Man Academic Building

Abstract

This presentation will focus on the state-of-the-art signal processing techniques developed for machine condition monitoring and fault diagnosis. Prof. Lin will briefly introduce some of the preliminary research works that his research group is currently undertaking and the challenges that his group is facing in developing an effective technique for a multi-stage planetary gearbox.

About the Speaker

Professor Terry Lin is currently a 'Taishan Scholar' distinguished professor in Mechanical Engineering at Qingdao University of Technology in China. He is an inaugural member of the academic board of Qingdao University of Technology and a fellow of International Society of Engineering Asset Management. Professor Lin acquired his PhD degree from School of Mechanical and Chemical Engineering at the University of Western Australia in 2006. He then moved to work at Queensland University of Technology, Australia in early 2007 and stayed there until he relocated to Qingdao in 2015. His research interests include noise and vibration analysis and control, numerical modelling and signal processing, machine condition monitoring and fault diagnosis.

Professor Lin published regularly in leading international journals in his areas of expertise including Journal of the Acoustical Society of America, Journal of Sound and Vibration, Mechanical Systems and Signal Processing etc. In the last five years (2013 onward) he has authored/co-authored 25 fully refereed research papers, a scientific book and a book chapter. He is invited regularly to review papers for more than 20 international SCI journals and review books, book proposals for Elsevier, Springer and CRC Press.

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All are Welcome!

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