



CHINA HONG KONG RAILWAY INSTITUTION

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22nd Apr 2014

May Function: Next Generation Condition Monitoring Technology

Date: Monday 12th May 2014

Time: 6:30 pm to 7:30 pm

Venue: Theatre, 2/F, Fo Tan Railway House

Stakeholders of industry are challenging Managers to deliver increased profits by improving asset utilization and availability. The expectation is that this is to be not only achieved but also to be coupled with reductions in maintenance budgets and with goals of zero tolerance for safety breaches. These expectations have increased the requirement for "maintenance indicators" that are able to assist industry in formulating policies and decision processes.

To effectively reduce costs in any maintenance or repair shop regime there needs to be an understanding of an assets obsolescence rate. Once known, optimum life periods are able to be established and resources can be scheduled for repairs; spare parts inventories are able to be effectively managed and the risk of unplanned maintenance minimized. Achieving an understanding of the rate of deterioration of dynamic components, particularly those such as railway wheel sets, has challenged the rail industry since tracks have been laid.

Delivering "information" packages to Rail Operators in a timely manner is now becoming a core skill of a number of Condition Monitoring Equipment suppliers, information delivery has clearly resulted in reductions in component failures, increased safety, higher levels of reliability of rail vehicles and a confirmed acknowledgement of the benefits of "Wayside Condition Monitoring" for both Maintenance Planning and Risk Management

Guest Speaker

Mr. Robert Hudd, MBA (Adel), FIQ

Educated in Adelaide – Australia, Robert is a Fellow of The Institute of Quarrying (Australia) and holds a Masters degree in Business Administration (Advanced).

Robert has substantial experience in Business Development for both domestic and international markets having secured significant contracts in both developed and emerging economies for Wayside detection installations. Having a background of 30 years in the mining and construction industry and more recently 9 years in the railroad industry he has presented papers to international conferences, exhibited products at industry exhibitions and given detailed technical briefings to senior industry leaders.

Robert is employed by Beena Vision Systems who are a leading technology development and manufacturing company who specialise in machine vision systems for the railroad industry. Over the past ten years Beena Vision has developed a range of innovative products that utilise sophisticated machine vision and non-contact measurement technologies. These products are specifically designed to provide valuable information in a variety of areas to effectively assess railcar component and track safety conditions.

The presentation will be of a general nature providing an insight into how a range of technologies from various manufacturers are now being integrated into many railroads throughout the world.

For registration, each participant has to confirm to CHKRI his/her name, employer and contact telephone number. Please provide your membership number and grade at the same time when returning your application by e-mail to secretary@chkri.hk on or before **5th May 2014**.

Anthony Tong
Secretary, CHKRI

