学术报告：Case Studies of Vibration Failures in Power Generation and Petrochemical Facilities by Prof. M. Salman Leong

报告题目：Case Studies of Vibration Failures in Power Generation and Petrochemical Facilities

会议时间：2016年4月28号（星期四）上午10：00

会议地点：上海交通大学闵行校区机动学院A楼 F207会议室

报告人：Professor M Salman Leong, Institute of Noise & Vibration, University of Technology Malaysia, Kuala Lumpur, MALAYSIA

主持人：蒋伟康教授

报告人简介：

　　Obtained PhD from Heriot Watt University. Joined the University of Technology Malaysia (UTM) in 1985. Appointed Professor since 1991. Published more than 60 ISI/Scopus papers and 120 non-citation conference papers. Has more than 30 years industrial consulting in Noise & Vibration and Acoustics. Involved in most of Malaysia mega projects requiring acoustics, noise & vibration control in infrastructure and petrochemical projects.

报告内容简介：

　　The presentation presents an overview of failures that can occur in power generation and petrochemical facilities mainly from turbines and other rotating equipment. While common faults are well understood and diagnosed, the talk present several case studies of vibration related failures that are not so easily diagnosed or avoided all of which have high economic consequences.

The case studies include cracked shaft in a gas turbine, blade rubs and shaft seizure in gas turbines, and flow induced premature failures in hydro-turbines. Case studies showing how process related operations affecting vibrations in pumps and large polymerisation rectors are also presented.

These case studies are from Malaysian power generation and petrochemical installations, and are known have occurred in similar installations elsewhere in the Asia Pacific region.