

报 告 人：Professor Lau Hon Chung

报 告 时 间：2017 年 6 月 6 日上午 9:00

报 告 地 点：教一-208

报 告 题 目：纳米技术在油气田开发的应用

中国陆上冻土区天然气水合物的开发

中国低煤阶煤层气的开发



学 术 简 历：

Dr. Lau Hon Chung is currently a professor at the Department of Civil and Environment Engineering at NUS. He has more than 35 years of experience in the upstream petroleum industry. After completing his PhD at Princeton University, Dr. Lau joined Shell Oil Company in Houston, Texas. Since then he has held positions of increasing responsibility in research and development, operations, project delivery, technical assurance, training, recruitment, technical leadership and project management. He has worked in USA, the Netherlands, Brunei and China on various onshore, shallow water and deepwater oil and gas projects.

Within Shell, Dr. Lau was recognized as a subject matter expert in chemical enhanced oil recovery (EOR), smart wells and sand control. He was the pioneer of Shell's horizontal openhole gravel packing process, a well completion technology used by Shell worldwide. He is the inventor of over twenty US, Canadian and European patents, covering a wide range of topics, including new ways to accommodate more wells in offshore platforms, new gravel packing processes, new surfactants for EOR, foam for mobility control, residual oil saturation reduction and new drilling mud formulations. He has authored technical papers in various aspects of EOR, sand control, smart wells, history matching, reservoir characterization and unconventional resources.

Dr. Lau has held positions as Chief Production Technologist and Chemist of North America for Shell International, adjunct professor at University of Texas at Austin, honorary professor at China University of Petroleum Beijing, Career Coach at Tsinghua University and Technical Editor of Society of Petroleum Engineer journals. From 2012-2014, Dr. Lau was seconded by Shell to PetroChina's Institute of Research Institute of Petroleum Exploration and Production in Beijing to manage a subsurface team for coalbed methane development in Australia. He is a licensed professional petroleum engineer in the State of Texas.

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