教育部“港澳与内地高等学校师生交流计划项目”系列讲座：
香港理工大学—中国石油大学（华东）

Research on Rotary Steerable Drilling Technology in Mainland China

Date：26-Nove-2021

Time：2:30 – 3:30 P.M.

Language： Mandarin

Tencent meeting：445 489 594

Prof. Yanfeng GENG, Member of technical Committee on Instrumentation and Device, Process Control, Fault Diagnosis and Safety of Technical Processes of Chinese Association of Automation, Vice President of Shandong Association of Automation. Prof. Geng has been engaged in teaching and scientific research on automation, measurement and control technology, and instrumentation for over twenty years. He has been the investigator of multiple projects supported by National Natural Science Foundation of China, National Key Research and Development Program (Topic) of China, Key Research and Development Program (International) of Shandong Province and so on. He has published more than thirty scientific papers, been granted with more than twenty national invention patents. Currently, he serves on the editorial board of Flow Measurement and Instrumentation, reviewer of Inter. J. Multiphase Flow, Mechanical systems and signal processing, Measurement, IEEE Transactions on Instrumentation and Measurement.

Abstract:

With the major oil and gas fields in the world entering the later stage of development, the difficulty of oil and gas reservoir development is increasing significantly in recent years. The increasing complexity in formation encountered in oil and gas drilling brings higher precision demand on this industrial field. Rotary steerable drilling is a new drilling technology developed abroad at the end of the 20th century. This new drilling technology can precisely control the well trajectory, which can improve the drilling rate and recovery of oil and gas reservoirs, and thus oil and gas production can be improved. However, foreign companies have imposed a strict technology blockage on China, and adopt a “rent-only technology service” policy. Rotary steerable drilling is one of the bottleneck technologies that needs the breakthrough in China.

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