



**Lecture program: Organized by
SPE BUET Student Chapter,
PMRE, BUET**



Topic: Hydraulic Fracturing Well Completion



**Saturday,
November 12,
2016
3:15–4:30 PM**

Venue:

**ARI Auditorium,
ARI-ITN Building,
1st Floor
BUET, Dhaka-1000,
Bangladesh.**

Speaker

Mr. Ashraf Islam is a Senior Petroleum Engineer with the Gas Reservoir Management Department at Saudi Aramco since 2013. In his current role, Mr. Islam provides advice to resolve technical challenges and leads asset development for natural gas wells planning, construction, stimulation, completion, production and abandonment.

Mr. Islam has more than 18 years' experience in the oil and gas industry. Prior to joining Saudi Aramco, he worked with Schlumberger Oilfield Service Company in various technical, operations and management roles. Mr. Islam also worked in many geographical locations in Asia, Middle East, North Africa, Gulf of Mexico, and in North America. Mr. Islam has a Bachelor in Chemical Engineering from Bangladesh University of Engineering & Technology and an MBA from Heriot-Watt University in Edinburgh, UK. He spoke in several technical and business seminars, and has been actively involved in training and mentoring of young professionals.

Abstract

Hydraulic fracturing is a well-stimulation technique in which rock is fractured by a pressurized liquid. The process involves the high-pressure injection of viscous fluid with sand into a wellbore to create cracks in the deep-rock formations through which crude oil and natural gas will flow more freely. Mr. Islam will be speaking on the evolution of hydraulic fracturing, the different multistage fracturing techniques, available completion tools in the industry, and their applications from the well completion point of view. The session will start with an introduction on the industry changes in horizontal multistage well completions, followed by the discussion on the open-hole and cemented cased-hole multistage stimulation tools and placement techniques.