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## STATEMENT OF PURPOSE

I take this opportunity to briefly express my goal and shed light on my education background. I wish to embark on higher studies in petroleum engineering systems as a major interest. Reaching a level at my professional career where I feel I will exhaust every path of promotion and challenge at my current academic level, I am eager to bring about more precise refinement of my existing abilities and education. Specifically, a career where I can bring my passion for research and help in problem solving to the business world and its unique set of challenges.

With unique academic foundation at school and three-year pre-university study as engineering major has been a process of making broad foundations in English, Mathematics, Sciences and fundamentals of Chemical Engineering. After successfully qualifying the Indian Institute of Technology – Joint Engineering Exams (IIT-JEE) one of the world's toughest engineering exam specially held for engineering aspirants. I have been given the opportunity to pursue Petroleum Refining engineering stream at the prestigious autonomous university Rajiv Gandhi Institute of Petroleum Technology, an institute of national importance under the act of parliament of India in very recent years. In due course; the branch name was changed to chemical engineering (as it was found that the nomenclature used for the course work was not common and taking into the account the employability of graduates for higher studies abroad), and this is where I nurtured an interest in oil and gas industry and developed an aspiration to become a respectable person of an Oil and Gas Major Company.

I had the distinguished opportunity to represent my country (India) at SPE Intelligent Energy, Netherlands and 20<sup>th</sup> World Petroleum Congress -11 Doha as a speaker. The Ministry of Petroleum and Natural Gas, Govt of India (MoPNG) has sponsored my visit where I was one of the only two candidates all over India to qualify for this visit. My pursuits in carrying out industrial visit to Ras Laffan industrial city and working as an intern at two different Indian firms led me to a great exposure to the oil and gas industry and made me determined to make a best place in the industry.

As a mentee of World Petroleum Council mentoring program I had the chance to engage with senior experts from industry and students around the globe. The growing demand of youth for the industry, replacing with the green fuels and many technologies which are to be improved in the industry like cyber security, and very specially the CO<sub>2</sub> and related environmental issues are some of the interesting aspects that I learnt there and influenced me to pursue the Masters Program.

# Statement Of Purpose Petroleum Engineering

**Yicheng Fang**



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web apr 9 2014 it is imperative to identify chemical engineering problems of practical relevance that may benefit from novel quantum techniques either with current quantum computers or of the future