

**2021 CAPA Lunch and Learning Event**  
**二零二壹年华人石油协会午餐与学习活动**

**Event**  
活动内容

**The Modern Petroleum History**  
**Oklahoma period (1900-1930) -- Technological innovation driving**  
**the US petroleum Industry.**

现代石油历史：  
奥克拉荷马时期（1900 - 1930）- 科技创新推动美国石油工业的向前发展

**Date**  
日期

Saturday, June 26, 2021, 10:00 AM to Noon  
星期六，2021年6月26日上午十点到十二点

**Invited**  
**Speaker**  
嘉宾



刘牧 Mu Liu  
经济决策咨询社 Economic Decision Consulting

**Details**  
通告内容

CAPA 邀请了资深石油工程师刘牧先生，带您一同领略现代石油工业的发展。古人不见今日月，今月曾经照古人。这次讲座把真实的石油历史做为商业案例学习，跟大家一起探讨石油行业的经营秘诀。

**Where**  
地点

Zoom Meeting  
Zoom 在线会议

**Cost**  
费用

Free  
免费

**RSVP**  
预约

Please RSVP at <http://www.capaus.org/event-4358527> . Zoom meeting will be sent to your email by June 17.  
请到 <http://www.capaus.org/event-4358527> 预约，注册成功后，登录方法将于 6/17 寄到您的注册邮箱。

**Contact**  
联系人

For questions please contact us via: [capa2019conference@gmail.com](mailto:capa2019conference@gmail.com)  
如有问题，请与 CAPA 官方邮箱联系: [capa2019conference@gmail.com](mailto:capa2019conference@gmail.com)

## 现代石油工业的起源



刘 牧  
经济决策咨询社

美国石油工业在宾夕法尼亚诞生之后，经历了四十年发展形成了上、中、下游的完整产业体系，但是，在上游的勘探生产没有太多的突破，随着宾夕法尼亚的油气枯竭，美国石油工业的中心迁移到了奥克拉荷马。在那里，美国石油人不断地探索创新发明实践，把美国的石油工业带进了一个新的时代。

石油的勘探生产是石油行业中最具有挑战的领域，在看不见摸不着的地下打一个孔来发现开采油气，这近乎是在大海捞针一般，其困难程度常人可能无法想象。正是如此，在奥克拉荷马时期的石油人，通过摸索创新实践找到了一条科学发展的道路，用科技的手段引导石油勘探生产，使得美国的石油工业发展有了一次历史性的飞跃。

当然，谱写美国石油工业历史不是一个人、一个公司或一个社团组织，是许许多多的石油人共同努力的结果。回顾历史，我们只能选择他们当中一些具有代表性的人物、公司和事件来讲述，学习那些真正推动石油行业向前发展的创新经营，提升我们对美国石油行业的认知理解。希望这个系列讲座能为您提供一个了解和学习美国石油工业发展过程，欢迎有兴趣的人士参与讨论交流。

### 主讲人简介：

刘牧，英文 Mu Liu，拥有石油地质学和经济学双重教育背景，曾在国际石油公司从事商务分析及经济决策工作多年，是美国石油历史协会和决策分析人员会员。现居住在美国休斯敦，热爱网球、篮球、乒乓球等体育活动

## Petroleum History:

### Oklahoma period (1900-1930) -- Technological innovation driving the US petroleum industry



**Mu Liu**

Economic Decision Consulting

After the US petroleum industry kickstarted in Pennsylvania, it has taken 40 years of development to form a comprehensive industrial system consisting of upstream, midstream, and downstream. However, there were few breakthroughs in the upstream exploration and production. Following the depletion of oil and gas reserves in Pennsylvania, the center of the US petroleum industry shifted to Oklahoma. There, the American oil workers continued to explore innovative methods, bringing the American petroleum industry into a new era.

Exploration and production are the most challenging fields in this industry. Drilling a hole underground for oil and gas was like finding a needle in a haystack. During this period, oil workers have developed a scientific approach to guide the exploration and production of oil, resulting in a technological breakthrough that brought the industry to a new level.

Undoubtedly, the history of this industry did not come from just one individual, company, or organization; rather, it resulted from a sophisticated network of events. As we review history, we can only pick a few representatives to learn from. Their innovative operations, which have promoted the development of the petroleum industry in the past, can enhance our understanding of the industry today. We hope this lecture can provide you a deeper insight into the evolution of our industry. We encourage you to participate in the discussions.

#### **Presenter Biography:**

Mr. Mu Liu has a dual education background in petroleum geology and economics. He has been engaged in business analysis and economic decision-making in international oil companies for many years. He is a member of the Petroleum History Institute and Society of Decision Professionals. Currently living in Houston, he enjoys sports such as tennis, basketball, and table tennis.