

# Chemical Engineering: From Materials Engineering to Nanotechnology

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## **Davis L Ford**

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### **The past and future of oil and gas extraction in the United States**


The role of science in developing enhanced oil & gas resources, being environmentally sound, and protecting water use

- Global transformation with fossil fuel as primary source
- All time high extraction of tight natural gas and oil
- Record pace of pipeline construction
- Supply refineries and terminal ports
- Pronounced effect on GDP
- Profound interest in extraction of natural gas and oil
- European Community, India, China, Brazil, Chile, Argentina and Mexico all have proven reserves.

#### **Speaker Biography**

Davis Ford is a practicing environmental engineer with over fifty years of experience in the field. In addition, he serves on the faculty at The University of Texas at Austin as an Adjunct Professor and a Visiting Professor of Petroleum Engineering at Texas Tech University. He has published hundreds of technical papers, has co-authored or contributed to ten textbooks, written several biographies, and also co-authored a children's book. Dr. Ford lectures extensively throughout the United States, Europe, South America, and Asia. Dr. Ford received his bachelor's degree in Civil Engineering at Texas A&M University and his master's and doctorate degrees in Environmental Engineering from The University of Texas at Austin. He is a Distinguished Engineering Graduate of both Texas A&M University and The University of Texas as well as a Distinguished Alumnus of Texas A&M. Dr. Ford was elected to The National Academy of Engineers (affiliated with the National Academy of Science and the National Academy of Medicine) in 1997. In 2005, he was inducted into The Academy of Medicine, Engineering, and Science at Texas. He is an Eagle Scout.

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