

## Fueling the Dragon: Energy and China

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### Guest Lecturer Dr. Fred Beach

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Dr. Fred Beach

### Abstract:

Most people focus on the fact that China consumes more coal than the rest of the world combined. But in addition to having the largest population of any nation, China is now the World's Largest: Energy Consumer, Automobile Market, Oil Importer, Solar Panel Manufacturer, and CO2 emitter. These and many more "Largest" titles are due to the combined effects of China's population of 1.4 billion people and the desire to develop into a modern country. Their already unmatched, and still growing, demand for energy to fuel this modernization has implications for global energy flows and markets. Understanding China's energy demands and plans for fueling its growth are critical to understanding their geopolitical ambitions and actions.

### Biography:

Dr. Beach is the Associate Director for Energy & Technology Policy at the Energy Institute. He is responsible for supervising and conducting research and studies related to the interplay between the development of Energy Policy, Environmental Policy, and Technology Policy. Dr. Beach also teaches Energy Technology Policy and International Energy Policy in the Cockrell School of Engineering and McCombs Business School.

Prior to joining The University of Texas at Austin, Dr. Beach served for twenty-five years in the United States Navy where he was a qualified Submariner, Naval Aviator, Surface Warfare Officer, and Acquisition Professional. Since retiring in 2003 he has also served as a consultant on defense-related topics for the U.S. Chief of Naval Operations Strategic Studies Group, MITRE, Naval Research Advisory Committee, Naval Research Laboratory, Defense Advanced Research Projects Agency, and the Defense Science Board.

Dr. Beach holds a Ph.D. from the LBJ School of Public Policy, University of Texas at Austin an M.S. in Physics from the Naval Postgraduate School, and a B.S. in Chemistry with a minor in Nuclear Engineering from the University of Oklahoma. He is also a graduate of the Defense Acquisition University and Certified Level III DoD Acquisition Professional and Program Manager.



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