

# **INCREASED OIL AND NATURAL GAS PRODUCTION, METHANE EMISSIONS, AND CLIMATE**

Hydrocarbon products have greatly expanded oil and natural gas production, making the U.S. the world's largest natural gas and petroleum producer. However, the environmental impacts associated with "fracking" have made the process controversial. This presentation will focus on the environmental issues associated with methane emissions. The potential role of continuous emission measurements in identifying super-emitting sources will be described, as well as the design and deployment of a first-of-its-kind methane sensor network.

Dr. David T. Allen received his B.S. in Chemical Engineering from Cornell University in 1971, and M.S. and Ph.D. in Chemical Engineering from California Institute of Technology in 1981 and 1983. He is the Gertz Regents Professor of Chemical Engineering and Director of the Center for Energy and Environmental Resources at the University of Texas at Austin. He has served on a variety of governmental advisory panels, including the EPA's Science Advisory Board, and was elected to the U.S. National Academy of Engineering in 2017.

**Dr. David T. Allen**

The University of Texas at Austin



**Wednesday, March 8**

**1:00 PM - 2:20 PM**

**Tiernan Lecture Hall II**