Global Climate Change and Demand for Energy

Global climate change poses threats to many areas of human endeavor as well as to the natural environment. Energy, biodiversity, agriculture, economics, national security, the future of coastal regions, and international relations are all affected, presenting one of the greatest challenges to future human well-being.

The Tyson Research Center and the International Center for Advanced Renewable Energy and Sustainability (I-CARES) are pleased to announce a seminar on the topic of climate change, by Dr. Ralph Cicerone, the President of the National Academy of Sciences. Dr. Cicerone’s research in atmospheric chemistry, climate change and energy has involved him in shaping science and environmental policy at the highest levels nationally and internationally.

Dr. Cicerone received a BS in electrical engineering from MIT and PhD in electrical engineering, with a minor in physics from the University of Illinois at Champaign-Urbana. In his early career, he was a research scientist and held faculty positions in electrical and computer engineering at the University of Michigan. From 1980 to 1989, he was a senior scientist and director of the Atmospheric Chemistry Division at the National Center for Atmospheric Research in Boulder, Colorado. In 1989 he joined the University of California, Irvine, where he was founding chair of the Department of Earth System Science. He was Dean of the School of Physical Sciences from 1994 to 1998 and served as Chancellor of UC Irvine from 1998 to 2005. He was elected president of the NAS in 2005 and was recently re-elected to a second six-year term, which began July 1, 2011. His research has focused on atmospheric chemistry, the radiative forcing of climate change due to trace gases, and the sources of atmospheric methane, nitrous oxide and methyl halide gases.

Dr. Ralph Cicerone
Introduction by Chancellor Mark Wrighton
Monday, January 23, 2012
Lab Sciences 300
4:00-5:15 p.m., reception following