

Climate Change is here, Science and Consequences

Wednesday, September 18, 2019

12:00 – 1:00 PM

B01 McCourtney Hall



This talk will focus on the causes and current effects of climate change using data and imagery from renowned researchers, politicians, authors, and film-makers who have spent years educating people about climate change and are now calling them to action for the sake of Earth's future. Current research initiatives at Notre Dame as well as potential education and professional development opportunities will also be discussed.

Presented by:

Eduardo Wolf

**Anthony Earley Professor of Energy and Environment Emeritus
Department of Chemical and Biomolecular Engineering
University of Notre Dame**

Prof. Wolf is the Anthony Earley Professor of Energy and Environment Emeritus in the Department of Chemical and Biomolecular Engineering at the University of Notre Dame. He is the founder and first president of the American Institute of Chemical Engineers (AIChE) Catalysis and Reaction Engineering Division and a member of the Editorial Board for Catalysis Letters, Catalysis Reviews Science and Engineering, Topics in Catalysis, and Applied Catalysis. Prof. Wolf joined the University in 1975 as a faculty member. His research interests are focused on the rational design of novel catalytic materials, novel catalytic reactors, and, most recently, on catalysis for the production and purification of hydrogen for fuel cells. He received his Ph.D. in Chemical Engineering from the University of California, Berkeley (1975), his M.S. in Chemical Engineering from the University of California, Davis (1972), and his B.S. in Civil and Chemical Engineering from the University of Chile (1969).



Sources:

- *An Inconvenient Truth* (2006), a #1 New York Times Bestseller and Oscar-winning American documentary film directed by Davis Guggenheim, written by Al Gore, former U.S. Vice President and Nobel Peace Prize winner (2007).
- *An Inconvenient Sequel: Truth to Power* (2017), a documentary film directed by Bonni Cohen and Jon Shenk, written by Al Gore, continuing his mission to battle climate change and making a daring call to action, exposing the reality of how humankind has aided in the destruction of our planet and groundbreaking information on what you can do now.
- *Climate Change: A Wicked Problem* (2015), written by Frank P. Incropera, the Clifford and Evelyn Brosey Professor Emeritus of Mechanical Engineering and the Matthew H. McCloskey Dean of Engineering Emeritus at the University of Notre Dame.
- “*The Energy Transition and Care for Our Common Home*” (2019), a Vatican-sponsored dialogue on June 12-14, cosponsored by the University of Notre Dame’s President Fr. John Jenkins and Cardinal Peter Turkson, the prefect of the Vatican’s Dicastery for Promoting Integral Human Development.
- Current articles from *Scientific American*.
- Current reports by the *Intergovernmental Panel on Climate Change (IPCC)*.