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National Science Day Lecture-2021

Dr. Arun Majumdar is the Jay Precourt Provostial Chair Professor at Stanford University. In October 2009, he was nominated by President Obama to become the Founding Director of the Advanced Research Projects Agency – Energy (ARPA-E), where he served till June 2012, and helped ARPA-E become a model of excellence and innovation for the government with bipartisan support from Congress and other stakeholders. He is a member of the US National Academy of Sciences, US National Academy of Engineering and the American Academy of Arts and Sciences. Dr. Majumdar received his Bachelor's degree in Mechanical Engineering at the IIT Bombay, Mumbai in 1985 and his PhD from the University of California, Berkeley in 1989.

Energy and Climate: The Defining Issue of the 21st Century

Arun Majumdar
Stanford University



Monday, March 1, 2021 at 11 A.M. IST
Youtube link: <https://tinyurl.com/ycrog7ty>

Energy use is the foundation of all modern economies and is well correlated to the human development index. Because eighty percent of the global energy today comes from fossil fuels, the emission of CO₂ and other greenhouse gases (GHGs) is producing global warming at an alarming rate. Part of this lecture will focus on this issue that is critical for adaptation and resilience. This talk will describe key breakthrough technologies that are needed and the role of fundamental research to make them viable. It is nothing short of a new industrial revolution!



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