



PROFILE

Inaugural Dean
Stanford Doerr School of Sustainability
Jay Precourt Provostial Chair Professor
Stanford University

CITATION

Pioneering leadership in energy science, sustainability innovation, and public service, advancing nanoscale energy research, clean-energy technology, and national energy policy



ARUN MAJUMDAR

AAEOY Distinguished Leadership in Science and Technology Award

Dr. Arun Majumdar is the inaugural Dean of the Stanford Doerr School of Sustainability. He is the Jay Precourt Provostial Chair Professor at Stanford University, a faculty member of the Departments of Mechanical Engineering and Energy Science and Engineering, a Senior Fellow and former Director of the Precourt Institute for Energy and Senior Fellow (courtesy) of the Hoover Institution. He is also a faculty in Department of Photon Science at SLAC.

In October 2009, Dr. Majumdar was nominated by President Obama and confirmed by the Senate to become the Founding Director of the Advanced Research Projects Agency - Energy (ARPA-E), where he served until June 2012 and helped ARPA-E become a model of excellence and innovation for the government with bipartisan support from Congress and other stakeholders. Between March 2011 and June 2012, he also served as the Acting Under Secretary of Energy, enabling the portfolio of Office of Energy Efficiency and Renewable Energy, Office of Electricity Delivery and Reliability, Office of Nuclear Energy and the Office of Fossil Energy, as well as multiple cross-cutting efforts such as Sunshot, Grid Modernization Team and others that he had initiated. Furthermore, he was a Senior Advisor to the Secretary of Energy, Dr. Steven Chu, on a variety of matters related to management, personnel, budget, and policy. In 2010, he served on Secretary Chu's Science Team to help stop the leak of the Deep Water Horizon (BP) oil spill.

Dr. Majumdar served as the Chair of the Advisory Board of the US Secretary of Energy, Jennifer Granholm. He led the Agency Review Team for the Department of Energy, Federal Energy Regulatory Commission and the Nuclear Regulatory Commission during the Biden-Harris Presidential transition. He served as the Vice Chairman of the Advisory Board of US Secretary of Energy, Dr. Ernest Moniz, and was also a Science Envoy for the US Department of State with focus on energy and technology innovation in the Baltics and Poland.

After leaving Washington, Dr. Majumdar was the Vice President for Energy at Google, where he assembled a team to create technologies and businesses at the intersection of data, computing and electricity grid.

Dr. Majumdar is a member of the US National Academy of Sciences, US National Academy of Engineering and the American Academy of Arts and Sciences. His current research focuses on redox reactions and systems that are fundamental to a sustainable energy future, multidimensional nanoscale imaging and microscopy, and an effort to leverage modern AI techniques to develop and deliver energy and climate solutions.

Dr. Majumdar received his bachelor's degree in Mechanical Engineering at the Indian Institute of Technology, Bombay in 1985 and his Ph.D. from the University of California, Berkeley in 1989.