



UNIVERSITY OF DELAWARE

ENGINEERING

DEPARTMENT OF CHEMICAL AND BIOMOLECULAR ENGINEERING



SEMINAR SERIES

SEPTEMBER 9, 2022 | JACK A. GERSTER MEMORIAL LECTURE

PRASANNA JOSHI

EXXONMOBIL TECHNOLOGY AND ENGINEERING COMPANY

Vice President

Ph.D., University of Delaware, 1998

Attend virtually: <https://udel.zoom.us/j/91314568641>

INNOVATING ENERGY SOLUTIONS IN A NET-ZERO FUTURE

Energy is essential for human development and improving living standards around the world. Society faces a challenge to provide reliable and affordable energy to meet the needs of growing population, while reducing environmental impacts, including the risks of climate change. Progress on society's energy and climate objectives requires practical approaches and new technology solutions that enable human development and economic progress. ExxonMobil established its Low Carbon Solutions business in early 2021 focusing on carbon capture and storage (CCS), hydrogen and biofuels leveraging our core capabilities in technology, scale, integration and people. This presentation will provide an overview of ExxonMobil's approach to technology development, as well as where we are focusing our resources. The presentation will also highlight key technologies that we are developing in the areas of CCS, Hydrogen and Biofuels.

ABOUT THE SPEAKER

Prasanna Joshi joined Exxon in 1998 as a research engineer at Exxon Research and Development Labs in Baton Rouge, LA, after completing his Ph.D. at the University of Delaware. He progressed through several technical leadership roles in Process and Modeling research in Baton Rouge and Paulsboro, NJ, before assuming the role of Section Head of Process Modeling, ExxonMobil Research and Engineering Company, in Clinton, NJ, in 2007. In 2008, Prasanna became the Planning Advisor, supporting the President of ExxonMobil Research and Engineering Company in Fairfax, VA. In 2010, he was appointed Asia Pacific Regional Advisor for ExxonMobil Supply & Transportation Company. In 2013, he was named Modeling and Scale-up Technology Director, ExxonMobil Research and Engineering Company, in Clinton, NJ. In June 2015, Prasanna was appointed Global Marketing Manager for the Intermediates business, ExxonMobil Chemical Company, in Spring, TX. In August 2018, he was named Global Sales Director for the Specialty Elastomer business and was based in Shanghai, China. In April 2020, Prasanna became the Corporate Strategic Research Manager in R&D before assuming his current position in April 2022. He is based in Clinton, NJ. Prasanna has served on the advisory board of the United Way of Hunterdon County, the Chemical Reaction Engineering Division of AIChE and the Catalysis Center for Energy Innovation (CCEI) at the University of Delaware. Prasanna received his MBA with a major in Finance from Tulane University in 2006. He earned his bachelor's degree in Chemical Engineering from the University of Mumbai in 1994.