

# Distinguished Lecture in Energy

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## ExxonMobil's Role in the Energy Transition

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Rudder Forum  
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### Abstract

Access to affordable, reliable energy has enabled billions of people to live longer, healthier lives. Energy demand will continue to rise through 2050 particularly in developing countries as they pursue better living standards. However, this growth in powering homes, transportation, and consumer goods needs to be offset by reducing GHG emissions. A wide range of scenarios suggest that innovative solutions and supportive policies are required to reach a lower 2°C pathway. This presentation will discuss various emission reduction pathways and the need to accelerate low carbon emission technologies including ExxonMobil's approach to decarbonize the more challenging sectors of the energy system.

### Biography

Mike received a bachelor of science in chemistry from the University of Dayton and a doctorate from the University of Texas, Austin. After completing a postdoc at the University of California, Berkeley, he joined ExxonMobil's Process Technology Department in Baton Rouge, Louisiana in 1989. Over the past 33 years, Mike has held a number of technical and management positions within ExxonMobil Technology & Engineering, ExxonMobil Product Solutions, and ExxonMobil Corporate Strategic Planning (CSP). In his previous role, Mike was the Vice President for Lubricants Technology and is currently a Senior Technology Advisor for ExxonMobil Corporate Strategic Planning where he supports the company and other industries to achieve their decarbonization goals.

Mike holds more than 35 U.S. patents and is a past recipient of the American Chemical Society's Heroes of Chemistry Award for commercializing technology to produce cleaner diesel fuels. Mike is also participating on a National Petroleum Council study focused on the deployment of hydrogen at scale and has served on the National Academies Board on Chemical Sciences and Technology, the Chemical Heritage Foundation, the Texas Bioenergy Policy Council, and the United Way. Mike and his wife, Jill, have three children, Lauren, Michael, and Claire. In his spare time, Mike enjoys various sports activities, outdoor cooking, and traveling with the family.