

# FALL 2024 PETEROLEUM ENGINEERING SEMINAR SERIES

Class Venue: EN305 | November 6, 2024 | 4:30 - 5:20 p.m.

## Christine Ehlig- Economides, Ph.D.

Dr. Christine Ehlig-Economides is Professor and Hugh Roy and Lillie Cranz Cullen Distinguished University Chair at the University of Houston. Before her current position, Ehlig-Economides taught at Texas A&M University for ten years and worked for twenty years for Schlumberger. While at A&M, she managed research in production and reservoir engineering in conventional and shale reservoirs and helped the petroleum engineering department to grow and evolve to a broader energy scope that she now leverages toward research related to the energy transition. Ehlig-Economides was elected to the U.S. National Academy of Engineering in 2003 and was a member of the National Academy of Science Committee on America's Energy Future and the NRC Board on Energy and Environmental Systems (BEES). She chaired The Academies of Medicine, Engineering, and Science in Texas (TAMEST) shale task force in 2017. She currently is a Board member for QRI and Omnis Energy. She became an Honorary Member of the Society of Petroleum Engineers in 2018. Ehlig-Economides earned a Bachelor of Arts in Math-Science from Rice University, a Master of Science in chemical engineering from the University of Kansas, and a Ph.D. in petroleum engineering from Stanford University.



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### *The Hydrogen Value Proposition*

The US has abundant natural gas and existing methane pipeline and storage infrastructure that can enable generation of low carbon intensity hydrogen (LCIH) nearly everywhere in the 48 contiguous states. This seminar will explain the potential value of widespread LCIH availability in transportation, industrial, and commercial markets and explore the technologies that can enable the hydrogen value proposition.



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