SPE IMPROVED OIL RECOVERY CONFERENCE

IOR 2026

Enabling IOR: Proven and Emerging Strategies for Maximizing Recovery

SPE International Mid-Continent Section

Course Title: Enhanced Oil Recovery Fundamentals

Course Description: This course teaches an integrated version of the basics of enhanced oil recovery. The connection of each process to a few fundamental principles is illustrated.

Who Should Attend: Engineers with at least a B.S. degree in petroleum or chemical engineering. All other engineers, mathematicians and physicists with at least a B.S. degree and some experience in reservoir engineering and/or numerical simulation.

How You Will Benefit: Students will learn the basic principles underlying all types of enhanced oil recovery and how these relate to reservoir engineering principles, typical recoveries and economics, the current screening guides, and common problems encountered. The details and typical applications of solvent and thermal flooding are emphasized.

Instructor Name/Biography: Larry W. Lake is a professor in the Department of Petroleum and Geosystems Engineering at The University of Texas at Austin where he has taught for 20 years. He was departmental chairman from 1989 to 1997. He is the holder of the Shahid and Sharon Ullah Chair at UT. Dr. Lake's research areas are in enhanced oil recovery, geochemical modeling and reservoir characterization wherein he has had over 100 technical publications and has supervised several graduate students. He is the author of the 1989 text on Enhanced Oil Recovery (revised in 2014) and the co-author of a 1997 text on Statistics for Petroleum Engineers and Geoscientists. Dr. Lake is a past SPE Distinguished Lecturer, a member of the SPE Board of Directors, a past winner of the Reservoir Engineering Award and the Lucas Gold Medal. He is a member of the National Academy of Engineers and received the Billy and Claude R. Hocott Distinguished Engineering Research Award from The University of Texas in 1999.. Dr. Lake earned B.S.E. and Ph.D. degrees from Arizona State University and Rice University.