

Abhijit Dandekar
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Education

- Ph.D. in Petroleum Engineering, Heriot-Watt University, Edinburgh, UK, 1994
- B.Tech in Chemical Engineering, Nagpur University, India, 1987

Background

Abhijit Dandekar is a recipient of SPE distinguished membership, SPE WNA Region Distinguished Achievement Award for Faculty, and a Fulbright specialist. He has authored more than 100 peer-reviewed and conference papers, a widely adopted textbook on Reservoir Rock and Fluid Properties and a book on Phase Behavior. He is a current SPE nominated ABET program evaluator and served on several domestic and three international visits.

Teaching

For the last 20 years I have been teaching PETE301, 303 (petroleum reservoir rock and fluid properties theory in fall and lab in spring); PETE665 (advanced phase behavior); and PETE608 (flow assurance in the petroleum industry since developing it in 2009). Somewhat recently I have taken over the senior capstone design course sequence (PETE487A&B). I have and can teach PETE431 (natural gas engineering); PETE407 (production engineering); PETE489 (reservoir simulation); PETE661 (parts of applied reservoir simulation) and PETE683 (natural gas processing and engineering).

Research and Creative Activities

Currently I am focusing on (1) writing my 3rd book on “practical aspects of flow assurance”, scheduled for publication in December 2021; (2) serving as a PI on ~\$10 million US DOE and Hilcorp Alaska co-funded project called the “Alaska North Slope Field Laboratory”, a collaborative project that aims to enhance the recovery of Alaska North Slope heavy oils using polymers; (3) publishing refereed journal and conference papers primarily resulting from the polymer project.