

### **Biography (For Associate Director for the Southwest Region)**

Moniraj Ghosh earned his Ph.D. in chemical and biomolecular engineering from the Whiting School of Engineering at Johns Hopkins University. He received his master's in chemical engineering from the Indian Institute of Technology Kanpur, and an MBA from the University of Tulsa. During his Ph.D., he contributed to the areas of particle self-assembly, microfluidics, and dynamics of fluid motion on solid surfaces. He also worked on the patterning of surfaces using microfabrication techniques to identify and separate cancer cells. After graduation, Moniraj joined Phillips 66 (then ConocoPhillips) in 2010 and has been working in the areas of desalting, fouling mitigation, and delayed coking – both as an individual contributor and in management roles. He initiated collaborations with several research groups at Oklahoma University and Ohio University. He continues to work closely with the Phillips 66 refineries as the chemical treatment network lead within Phillips 66 refining functional excellence team. He has 7 peer-reviewed publications, more than fifty company internal technical reports, one book chapter, and two patents. He is the reviewer of the Journal of Colloid and Interfacial Science and Fuel, and a member of the American Chemical Society, American Institute of Chemical Engineers, Sigma Xi, and Beta Gamma Sigma. He has served as the chair-elect and chair for the Northern Oklahoma American Chemical Society.