

IMPEE PhD Opportunity

Project title: Physical and Chemical Equilibrium for Sour Water Storage
Supervisor(s): Dr Robin Westacott and Prof. Raffaella Ocone

Abstract

Storage of sour water is dependent on both chemical and physical equilibrium between water, ammonia and hydrogen sulphide. Molecular simulation methods (classical and quantum) will be used to investigate the equilibrium behaviour of this complex system. Results from the simulations will be incorporated into a mass transfer model for engineering calculations on sour water dispersion.

Requirement

BSc/MChem/MEng Chemistry or Chemical Engineering at Upper Second Class or equivalent. Some programming experience would be helpful, but not essential.

Other info

Contact Robin Westacott: r.e.westacott@hw.ac.uk