

<p>Applied aspects of surfactant adsorption and self-assembly studied by NR, XR, SANS and SAXS</p>

Jeff Penfold - ISIS facility, STFC / PTCL, Oxford

The scope of neutron and x-ray reflectivity and small angle scattering for the study of surfactant adsorption and self-assembly will be briefly introduced. A limited number of recent case studies will be presented, and include the optimisation of multi-component surfactant mixtures, the blending of bio-surfactants with conventional surfactants, the optimisation of the processing of lamellar phase dispersions, and the control of depletion interactions in mixed lamellar / micellar solutions.