

## **Surfactant adsorption from solution: Surface excess and kinetics**

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We have studied the adsorption for a surfactant to the solid-solution interface using Optical Reflectometry (OR) and a Quartz Crystal Microbalance (QCM). These measurements reveal both rapid (seconds) and very slow (hours) adsorption kinetics depending on the surfactant concentration. Surface adsorbed aggregates are implicated. These experiments also cause us to question the accepted models for equilibration of surfactants in bulk solution.