

O 36: Overview Talk Hendrik Bluhm

Time: Wednesday 9:30–10:15

Location: S054

Invited Talk

O 36.1 Wed 9:30 S054

Heterogeneous chemistry of liquid-vapor interfaces investigated with X-ray photoelectron spectroscopy — ●HENDRIK BLUHM — Fritz Haber Institute of the Max Planck Society, Berlin, Germany

Liquid-vapor interfaces drive numerous important processes in the environment and atmosphere, such as the sequestration of CO₂ by the

oceans and the uptake and release of trace gases by aerosol droplets. X-ray photoelectron spectroscopy is an excellent method for the investigation of liquid-vapor interfaces due to its interface sensitivity and chemical specificity. In this talk we will discuss the general approach in XPS experiments on liquid interfaces and present illustrative examples of the investigation of the heterogeneous chemistry of surfactants and ions at the interface of aqueous solutions.