

O 28: Key Note II

Time: Monday 15:30–16:00

Location: R1

Plenary Talk

O 28.1 Mon 15:30 R1

Physical chemistry and chemical physics of environmental interfaces — ●VICKI GRASSIAN — University of California San Diego, La Jolla CA 92093

The focus of this talk is on environmental interfaces which are defined as any surface in equilibrium with its surrounding environment. From

this broad definition, there are a myriad of different types of environmental interfaces that include atmospheric aerosols, nanomaterials and indoor surfaces. The physical chemistry and chemical physics of environmental interfaces puts an emphasis on molecular and nanoscale level interactions that occur in these inherently complex systems. Examples of the complexity of these interfaces and how a deeper understanding can be obtained through molecular-based approaches are highlighted.