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Introduction

Interfaces play a key role in the function of a plethora of chemical systems spanning the range from biological membranes, solid state materials, catalysts, all the way to organic bulk heterojunction materials for photovoltaics. The "Physical Chemistry of Interfaces and Nanomaterals" conference provides a venue for the intermixing of physical chemists, physicists, biophysicists and chemical engineers that can foster new ideas which can advance each other's field.

This year's fourteenth edition of the conference moved along the spirit of previous years including sessions on charge generation at organic interfaces, charge transfer across device interfaces, photophysics of hybrid photovoltaic systems, and hybrid and inorganic nanomaterials. A central feature this year were sessions dedicated to the theory, development, and application of novel multi-dimensional non-linear optical probes of interfacial phenomena and structural dynamics. Sessions focused upon solar energy conversion, modeling electronic processes in nano-scale materials, carrier transport in nanostructured systems, electron transfer at interfaces, advanced imaging techniques focusing at the atomistic scale, as well as sessions focusing on novel and nascent experimental techniques that probe interfacial structure.

The science was diverse and exciting, representing some of the best physical chemistry groups from around the world. We are grateful to SPIE, the Organizing Committee and most of all to the speakers that contributed to the success of this meeting.

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Natalie Banerji