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Introduction

Interfaces play an essential role in many processes across biological, physical and chemical science, ranging from solar energy conversion and cross-membrane transport process processes to electrochemistry and catalysis. The *Physical Chemistry of Interfaces and Nanomaterals* conference brings together an interdisciplinary group of scientists (from academia, industry, and government laboratories) who study fundamental processes at interfaces and in nanomaterials.

This year's fifteenth edition of the conference moved along the spirit of previous years including sessions on organic/inorganic interfaces, charge transfer processes, and inorganic and hybrid systems. Sessions focused on ultrafast spectroscopy and microscopy, nanoparticles, and the electronic structure of perovskites. To highlight the recent developments in the perovskite materials and the new aspects in organic photovoltaics, we have organized an extensive joint session with the *Organic Photovoltaics* conference – a one full day forum dedicated to topics centering around charge transport in organic bulk heterojunctions and perovskite-based solar cells.

We hope the participants will agree with us that the presentations were diverse and stimulating. 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