



## Experimental Determination of Molecular Properties at Crystal Surfaces under Practical Conditions

Guest Editor:

**Prof. Dr. Sven L. M. Schroeder**

School of Chemical and Process  
Engineering, University of Leeds,  
Woodhouse Lane, Leeds LS2 9JT,  
UK

S.L.M.Schroeder@leeds.ac.uk

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submissions:

**closed (1 September 2020)**

### Message from the Guest Editor

Dear Colleagues,

Several traditional surface science techniques detecting molecular surface properties have made the transition from ultra-high vacuum to operation under near-ambient pressure or even ambient pressure. These technical developments could facilitate changes in our understanding of interfacial interactions of crystalline materials, beyond the traditional surface science of inorganic systems. Studies of heterogeneous catalysis have paved the way towards dynamic and increasingly complex systems. These developments now open up surface studies of hitherto barely explored classes of materials, for example, adsorption of solvents on organic crystal surfaces or adsorption equilibria of additives on organic substrates.

We believe a Special Issue of *Crystals* on this topic is timely as this could facilitate interdisciplinary knowledge exchange between established, nascent and new potential surface science communities. I am therefore inviting you to submit experimental papers describing new applications of surface analysis, including the whole range of research from fundamental studies of model systems to applied research on practical systems.





## Editor-in-Chief

### Prof. Dr. Helmut Cölfen

Physical Chemistry, Universität  
Konstanz, Germany

## Message from the Editor-in-Chief

Crystals are a very important class of structured material, both from a scientific and technological viewpoint. In 2011, the Nobel Prize in Chemistry was awarded to Dan Schechtman for his work on quasicrystals. Our journal already expresses in its name *Crystals* that its focus centers around all aspects of this class of materials, which has fascinated humankind from its beginning. Despite decades of research on crystals, it remains a hot and fascinating research topic.

*Crystals* is a good platform for dissemination of knowledge in this area.

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