

16th International Conference on Organized Molecular Films

25th – 29th July 2016, Helsinki, Finland

The ICOMF16 was the sixteenth international conference devoted to organized molecular films and nanostructures in general. The ICOMF16 was held in Helsinki, Finland during July 2016 and continued the tradition of highly successful biennial conferences hosted by many different countries on different continents. The 16th ICOMF-conference provided an excellent opportunity for chemists, physicists, biologists, material scientists, polymer scientists, chemical engineers and researchers in related fields to gather and discuss their latest results in the field of molecular thin films, nano-objects, nanostructures and bio-inspired systems, and to develop and extend their international collaborations.

Preface

The 16th International Conference on Organized Molecular Films was a continuation of highly successful biennial conferences organized in various countries and continents. The conference was for the first time organized in Nordic countries and the local organizing committee was delighted that Helsinki and Finland was given the opportunity to host this event. Especially, as the conference was organized on the advent of reaching a historical milestone, which has been the foundation for this conference series. Namely, in the year 2017 it will be 100 years since Irving Langmuir published his pioneering work on studying the properties of insoluble monolayers on the air-water interface (JACS 39 (1917) pp. 1848). Much has happened since then, and the local organizing committee is pretty sure that Irving Langmuir would have been delighted to see the legacy he has left behind in the field of organized molecular films.

Opening Address

Triggered by Langmuir's and many others groundbreaking works on monomolecular films the ICOMF-LB conference series was established in Durham, UK in 1982 as a conference focusing solely on Langmuir-Blodgett Films. However, as with all scientific fields, research on organized molecular films advances fast and with the help of new fundamental knowledge the scientists continuously develop and produce new applications and innovations within this field. Thus, organized molecular films have become one of the cornerstones in many research fields such as fundamental chemistry and physics, nanoscience- and -technology, and biomimicking systems, just to mention a few. The cross-disciplinary nature of studying organized molecular films requires scientists from various fields to collaborate with each other. The ICOMF-LB conference is an excellent forum for chemists, physicists, biologists, material scientists, polymer scientists, chemical engineers, and researchers in

related fields to gather and discuss their latest results in the field of molecular thin films, nano-objects, nanostructures, and bio-inspired systems.

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