

From Self-Assembly to On-Surface Chemistry

by

Prof Lifeng Chi

*Institute of Functional Nano- and Soft Materials (FUNSOM)
Soochow University, Suzhou, P.R.China*

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All Interested are Welcome

Abstract

Surface supported molecular self-assembly has acquired specific interests and been extensively studied during the past three decades. The complexity of self-assembled molecular structures is on one side make them very attractive to learn the choice of the nature; on the other side, it causes the co-existence of difference phases thus reduces the degree of control. Furthermore, the stability of the self-assembled molecular structures governed by weak interactions is a long existing problem which hinder the technical applications. In this talk, the above issues will be addressed and the possible solutions will be given and discussed with concrete samples.

Biography of Prof Lifeng Chi

Dr. Lifeng Chi graduated in Jilin University, China. She pursued her PhD degree in University of Göttingen, Germany in 1989, and finished her Habilitation in University of Münster, Germany in 2000. She has become a Professor in Physics, University Münster since 2004. She joined Soochow University in China as a chair Professor in 2012. Her key independent research is centered around **supramolecular chemistry on surfaces**, including **molecular assembly and reactions, molecular patterning, structured functional surfaces**. She has published more than 300 scientific papers including *Science*, *Nature*, *J. Am. Chem. Soc.*, *Angew. Chem.*, *Phys. Rev. Lett.* et. al. and cited for ca. 7300 times. She won the ACS Nano Lectureship award in 2016, and IUPAC Distinguish Women in Chemistry or Chemical Engineering in 2017.