

## Symposium On-Surface Polymerization (SYOP)

jointly organized by  
 the Chemical and Polymer Physics Division (CPP),  
 the Semiconductor Physics Division (HL),  
 the Microprobes Division (MI), and  
 the Surface Science Division (O)

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Molecular self-assembly has proven to be an important tool to fabricate well ordered, highly regular molecular structures on solid surfaces. For this, ideas from supramolecular chemistry are employed where organic molecules with complementary functional groups interact via non-covalent interactions like hydrogen bonding,  $\pi$ - $\pi$  interactions, dipolar interactions or metal coordination leading to the formation of complex macromolecules. Since the individual molecules interact with each other only via (weak) noncovalent interactions almost defect-free structures can be obtained.

## Overview of Invited Talks and Sessions

(Lecture room: H 0105)

### Invited Talks

SYOP 1.1	Mon	15:00–15:30	H 0105	<b>Formation mechanisms of covalent nanostructures</b> — •JONAS BJÖRK
SYOP 1.2	Mon	15:30–16:00	H 0105	<b>Selective C-H Activation and C-C coupling on Metal Surfaces</b> — •LIFENG CHI
SYOP 1.3	Mon	16:00–16:30	H 0105	<b>On-Surface Synthesis on Insulating Substrates</b> — •ANGELIKA KUEHNLE
SYOP 1.4	Mon	16:45–17:15	H 0105	<b>On-surface polymerization - a synthetic route to 2D polymers</b> — •MARKUS LACKINGER
SYOP 1.5	Mon	17:15–17:45	H 0105	<b>On-surface azide-alkyne click chemistry and a novel metal-organic network based on Cu adatom trimers</b> — •TROLLE LINDEROTH

### Sessions

SYOP 1.1–1.5	Mon	15:00–17:45	H 0105	<b>On-surface Polymerization</b>
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