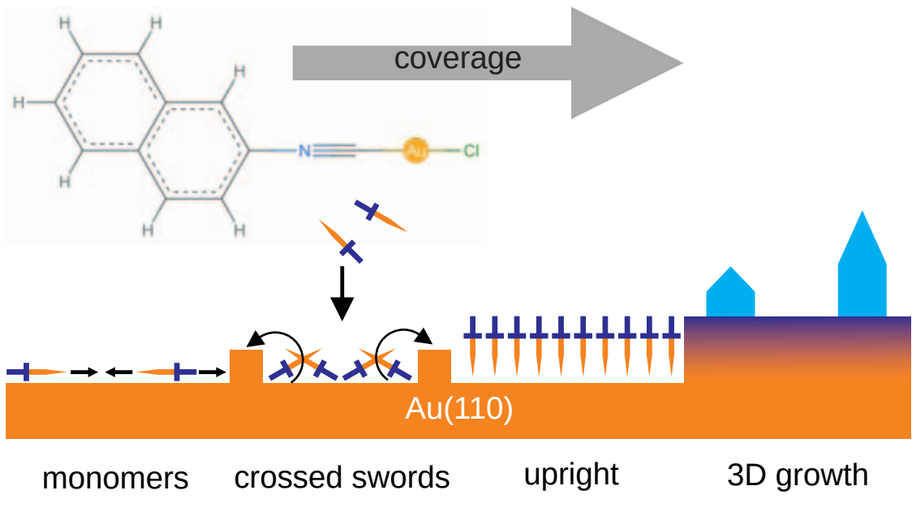

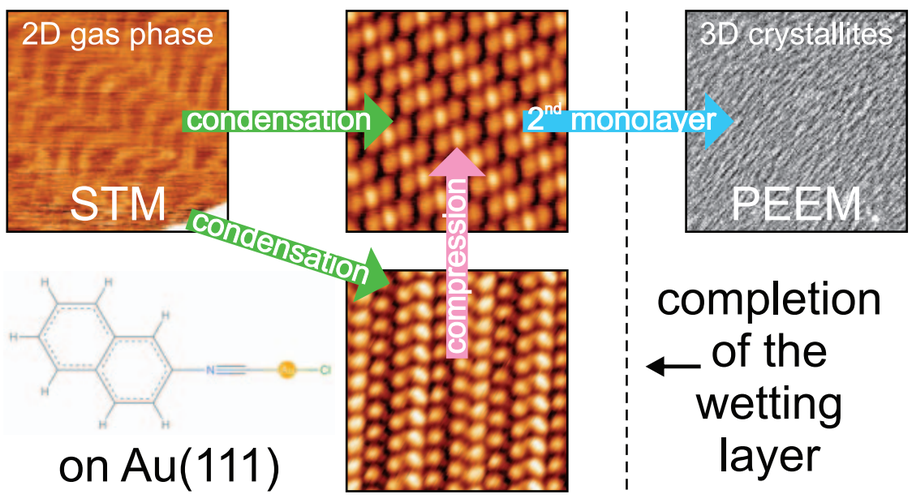

Assoc. Prof. Dr. Thorsten Wagner
Johannes Kepler University Linz, Austria

Since his diploma thesis in physics, Thorsten Wagner is fascinated by the structures formed by organic molecules on surface. During his Ph.D. thesis at the University Duisburg-Essen, Germany he imaged organic single crystallites with molecular resolution with scanning tunneling microscopy. In 2008, he moved to the University Linz, Austria, where he started to monitor the growth of such nanocrystallites by photoelectron emission microscopy (PEEM) and differential reflectance (DRS). He habilitated in experimental physics in 2017. Besides nanocrystallites, he works on the interaction between molecules in mixed layers.

Instytut Fizyki Doświadczalnej Uniwersytetu Wrocławskiego

zaprasza na wykład otwarty

THORSTENA WAGNERA

profesora wizytującego — laureata konkursu na finansowanie przyjazdów profesorów wizytujących – wizyty długie w ramach programu *„Inicjatywa Doskonałości – Uczelnia Badawcza”* (IDUB)

Wykład otwarty

Instytut Fizyki Doświadczalnej UWr, pl. M. Borna 9
3 lipca 2023, poniedziałek **godz. 12:00, sala 60**

Watching molecular layers grow

Aurophilicity is a well-known phenomenon in structural gold chemistry and found in many crystals of Au(I) complexes. However, these attractive dispersion forces between and within complexes containing Au(I) moieties are not well studied in ultrathin films. In this article, we elucidate the interaction of chlorido(2-naphthyl isonitrile)gold(I) ((NapNC)Au(I)Cl) on and with Au(110) and Au(111) surfaces.

Already during physical vapor deposition, the condensation of ultrathin films is monitored by photoelectron emission microscopy (PEEM) and by incremental and spectrally resolved changes in optical reflectance (DDRS). Additional structural data obtained by STM and LEED reveal that the “crossed swords” packing motif known from the bulk is also present in thin films.

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