

1st Announcement

DGKK Seminar on Growth Kinetics and Layer Transfer of Ultrathin Layers and 2D Materials

November 23 – 24, 2026

hosted at RWTH Aachen University

The 2026 seminar will follow up on the successful 2025 workshop at IKZ in Berlin. A special focus will be placed on 2D layer growth by various methods as well as transfer processes for ultra-thin semiconductor, dielectric and metal films. We are aiming to bring together researchers from different communities to discuss emerging topics in these fields. Presentation of work in progress is welcome.

Topics (not exclusively) are:

- Synthesis of 2D and 3D materials, nucleation / growth processes, defects, instabilities
- Selective-area epitaxy
- Influence of adlayers on epitaxial (and non-epitaxial) crystal growth
- Formation of ultrathin layers and nanostructures
- In-situ monitoring of substrate conditions and growth
- Layer transfer and defects in layer structures
- Device results with strong correlation to layer deposition and/or layer properties
- Particular demands of thin film systems for Qubits, quantum emitters and detectors as well as memristive structures
- Atomistic simulations like DFT, molecular dynamics, kinetic Monte-Carlo

Workshop dates and location:

Nov 23 – Nov 24, 2026 (Monday / Tuesday) at Walter-Schottky-Haus (WSH), Verbindungstrakt (4253), Doppelraum 101, 102 (4253|101), 52074 Aachen

The seminar will start on Monday about noon and will end on Tuesday about noon. A dinner on Monday evening will be a good opportunity for networking and discussing future perspectives.

Participation is free and open to everyone (DGKK members and non-members).

Registration is required by e-mail to dgkk_kinetik@cst.rwth-aachen.de.

We are looking forward to many interesting contributions.

Together with your registration, please send author(s), title and a very short topic description if you plan to present something. No abstract required.

Registration deadline: Nov 9