

1<sup>st</sup> Announcement

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

September 16-17, 2024

hosted at RWTH Aachen University, Aachen

The 2024 seminar will follow up on the successful 2023 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. Work in progress is welcome.

Topics (not exclusively) are:

- Synthesis of 2D materials, nucleation and 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 growth and other processes
- Layer transfer and defects in layer structures
- Device results with strong correlation to layer deposition or layer properties
- Particular demands of thin film systems for Qubits and memristive structures
- Atomistic simulations like density functional theory, molecular dynamics, kinetic Monte-Carlo

Workshop dates and location:

16.09.24 - 17.09.24 at ICT Cubes (2320), Room 0002, Kopernikusstraße 16, 52074 Aachen

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

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

Registration is required by e-mail to [dgkk\\_kinetik@cst.rwth-aachen.de](mailto:dgkk_kinetik@cst.rwth-aachen.de).

We are looking forward to many interesting contributions.

If you plan to contribute, please send author(s), title and a very short topic description with your registration.

**Please register by September 1.**