

Research Accelerator Programme

“Electronic Device Fabrication with 2D Materials”

We are excited to announce a **Lunch-to-Lunch** RAP titled "**Electronic Device Fabrication with 2D Materials**", where participants will explore the fabrication and characterization of electronic devices using two-dimensional (2D) materials, with a **strong focus on hands-on lab sessions**.

Where: AMO GmbH, Aachen, Germany

When: January 30 and 31, 2025

Application Deadline: **November 12th, 2024, 10AM CET**



Summary

This RAP provides a deep dive into the processes, tools, and characterization techniques used in the fabrication of electronic devices with 2D materials like graphene and molybdenum disulfide (MoS₂). Attendees will have the opportunity to apply theoretical knowledge in **extensive lab sessions**, focusing on practical fabrication and testing of devices.

INFRACHIP will support costs for travel, accommodation and access to infrastructure for up to 6 applicants.

Key topics

- Introduction to 2D materials and their unique properties
- Applications in transistors, sensors, and flexible electronics
- **Hands-on fabrication** of 2D material-based electronic devices
- **Characterization techniques** (e.g., Raman spectroscopy, AFM, SEM) for assessing material and device properties
- Lab-focused sessions, giving participants practical experience with state-of-the-art equipment and methods

WHO SHOULD ATTEND:

- Students and junior researchers with a PhD completed in the last 2 years in materials science, electronics, and nanotechnology
- Researchers who want to know how they can benefit from INFRACHIP technologies to accelerate their own research and who plan to apply for access to one of the facilities.

REGISTRATION

To apply, please fill the form on the dedicated RAP website page: <https://infrachip.eu/research-accelerator-programme>

In case of any issues, please contact us – contact@infrachip.fr

Join us for this **intensive, lab-focused** workshop where you'll gain valuable hands-on experience in the fabrication and analysis of devices made from 2D materials. This is a unique opportunity to engage directly with cutting-edge technology!



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