



Master Thesis “Lamination Assisted Transfer of Graphene and Other 2D Materials”

AMO GmbH is a research institute in the field of nanotechnology.

Our mission: we carry out scientific research in the fields of microelectronics, photonics, sensor technology, diagnostics, energy and environment to provide technological impulses for economic development. We are partners for regional and global innovators and seek sustainable solutions for current global challenges.

We are pathfinders for the technology of tomorrow. Join us in bridging the gap between scientific discoveries and technological solutions!

YOUR TASKS :

- Development of the process for lamination assisted transfer of graphene and other 2D materials
- Characterization of the material after transfer, such as Raman spectroscopy, SEM, AFM, etc.
- Microfabrication of field-effect devices based on 2D materials
- Electrical characterization of the devices, in order to obtain electrical parameters such as mobility
- Literature investigation, data analysis, presentation of results

YOUR PROFILE :

- Master-student (m/f/d) in physics, material science, electrical engineering, or similar
- Ideally with knowledge in semiconductor devices and microfabrication
- Ideally with first knowledge on 2D materials
- Fluent in both spoken and written English

OUR OFFER :

- Be part of our international, passionate, enthusiastic team of physicists and engineers combining ideas from various disciplines
- Excellent infrastructure (400 m² clean room equipped with state-of-the-art fabrication and characterization technologies) and modern workplaces
- Family friendly flexible working hours, including mobile working opportunity plus multiple benefits

Interested? Then we should get to know each other! Please send your application including a letter of motivation, a resume and the current relevant references to jobs@amo.de

Contact: Dr. Zhenxing Wang, Head of Graphene Electronics Group

