



Master Thesis “J-Aggregate/Graphene Hybrid Photodetector”

AMO GmbH is an innovative research service provider for industry, SMEs and research institutions in the area of nanofabrication in Aachen. Our application-oriented research is focused on innovative processes and devices in the field of nanotechnology. Our national and international partners and customers come from the area of semiconductor technology, optical and biotechnology industry.

Would you like to work as part of a creative team in the area of high end technology? Then you are exactly in the right place at AMO! For immediate placement, we are offering a position for

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Your future responsibilities will include:

- Preparation and characterization of J-aggregate film.
- Fabrication, optimization, and characterization of the hybrid photodetector.

Your profile:

- Master-students in physics, material science, electrical engineering, or similar.
- Ideally with knowledge in semiconductor devices and microfabrication.
- Ideally first experience with optical characterization.
- Fluent in both spoken and written English.

We offer:

- Excellent infrastructure (400 m² of clean room equipped with state-of-the-art fabrication and characterization technologies).
- Working in an international team.
- Family friendly working environment.
- Flexible working hours.

Please send your complete application documents (CV and cover letter are mandatory) to: jobs@amo.de with a reference “J-Aggregate/Graphene Hybrid Photodetector”. For further details on the position please contact **Dr. Zhenxing Wang** (wang@amo.de).



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