



Master Thesis Graphene - Silicon Photonics

AMO GmbH is an innovative research service provider for industry, SMEs and universities. In the AMICA division, we operate a silicon pilot line and conduct application-oriented research focusing on new materials integration like graphene, 2D materials, and perovskites.

We invite you to join AMO as part of our Graphene Photonics Group. We are an international team of passionate and enthusiastic engineers from various disciplines such as microelectronics, lasers and photonics, electrical engineering, and nano technology. We are combining ideas from various disciplines to develop a fundamentally new generation of photonic chip architecture and technology.

We are currently working towards next generation photonic solutions for ultrafast communication in 5G infrastructure, datacenter interconnects, and IoT networks. We are expanding our team and intend to hire

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Topic of your master thesis will be in the field of optical components for graphene photonic devices. We are seeking to develop photonic elements which are required in our high speed graphene photonic devices.

Your contribution will be:

- Review Literature and design of devices
- Development of silicon fabrication process modules
- Optical characterization

Qualifications

We are seeking for

- electrical engineers majoring in Optical Communication Sciences or Integrated Photonics or similar or
- physicists with corresponding background

Preferred Skills

- Ideally first experience in design and characterization of photonic devices
- Ideally first experience in silicon or silicon nanophotonics fabrication technology

Join us today! Please send your CV and cover letter to jobs@amo.de, Dr.-Ing. Daniel Schall.



AMO - Partner of Innovators

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