



Master Thesis RF circuits / Graphene 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 RF devices fabricated in AMO's pilot line. We seek to develop RF components for our ultrafast graphene photonic devices.

Your contribution will be:

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

Qualifications

We are seeking for

- electrical engineers skilled in the field of high frequency devices and systems

Preferred Skills

- Ideally first experience in design, simulation, and characterization of RF devices
- Ideally first experience with HFSS or CST simulation software
- Ideally first experience in silicon 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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