



## **PhD Position (m/f) in Nanotechnology for the Environment**

### **Our Profile:**

AMO GmbH is a research company and partners with universities and industry in the field of nanotechnology. Our research activities are focused on new materials, innovative processes and devices for applications in nanoelectronics, photonics and sensor systems.

Would you like to work as part of a creative team on such high-tech topics? Then you are exactly in the right place at AMO! For immediate placement, we are offering a

### **PhD Position (m/f) in integrated graphene photonic devices**

with full working time of 40 hours per week.

### **Your future responsibilities will include:**

- Design, realization and characterization of plasmon enhanced photocatalytic devices.
- Presentation of scientific results at conferences and in publications.

### **Your Profile:**

- Master degree in physics, material science, electrical engineering or comparable.
- Expertise in semiconductor physics and optics.
- Basic knowledge of semiconductor processing in industrial or scientific environment is beneficial.
- Fluent in spoken and written English. Basic knowledge of German is a plus.

### **We offer:**

- Excellent infrastructure with state-of-the-art fabrication and characterization equipment in our 400 m<sup>2</sup> cleanroom.
- Participation in collaborative research projects, with the possibility of a research exchange (national or international).
- Opportunity to pursue a doctoral degree in engineering or physics at RWTH Aachen University.
- Competitive performance oriented salary (full time).
- Family friendly work environment.

Please send your complete application documents to: [jobs@amo.de](mailto:jobs@amo.de) For further details on the position please contact: Dr. Ulrich Plachetka, AMO GmbH, Otto-Blumenthal-Str. 25, 52074 Aachen. Email: [plachetka@amo.de](mailto:plachetka@amo.de).



**AMO - Partner of Innovators**