



PhD Position (m/f) in integrated photonic devices

AMO GmbH is a research company and partners with universities and industry in the European Industrial Doctorate Training Network MOCCA - Multiscale optical frequency combs: advanced technologies and applications (*). Within this project we are offering a

PhD Position (m/f) in integrated photonic devices

for placement in July 2019 with full working time of 40 hours per week.

Your future responsibilities will include:

- Design, realization and characterization of integrated micro-resonators for frequency comb generation:
- Two months research visits at the University of Rome La Sapienza, Italy, and two months at Aston University, UK:
- Presentation of scientific results at conferences and in publications.
- Enrolment at RWTH University as PhD student (engineering or physics)

Your Profile:

- Master degree in physics, material science, electrical engineering or comparable.
- Expertise in semiconductor physics and optics.
- Practical experience of semiconductor processing in industrial or scientific environments is highly beneficial.
- Fluent in spoken and written English.
- Early stage researcher: spent less than 4 years in research since graduation.
- Stayed less than 12 months in Germany during the last 3 years.

We offer:

- Excellent infrastructure with state-of-the-art fabrication and characterization equipment in our 400 m² cleanroom.
- Supervision by experienced researchers and work as part of a highly motivated and skilled international team.
- Opportunity to study and explore a field of research with excellent potential for future commercialization and industrial exploitation.
- The perspective of a non-profit research-focused commercial provider of key enabling technologies.
- Gross payment of approximately 3000 €/month.
- Flexible and family friendly work environment.

Please send your complete application documents until the 1st of June 2019 to: jobs@amo.de. **For further details on the position please contact: Dr. Stephan Suckow, AMO GmbH, Otto-Blumenthal-Str. 25, 52074 Aachen, suckow@amo.de.**

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