

PhD (m/f) in Theoretical Optics - temporary until 2016 | MISC - 1634



To strengthen our team in the **System Simulation Research and Technology** at our site in Oberkochen, we have an immediate opening for a

PhD (m/f) in Theoretical Optics - temporary until 2016

Your job:

- participate as Research Fellow in the field of theoretical optics in the European Research Program ADOPSYS
- research and compile relevant existing wave-optical simulation approaches of light propagation through optical systems
- systematically identify possible concepts in the field of phase space based high numerical aperture propagation and diffraction
- implement the derived algorithms and integrate them in in-house simulation software
- evaluate the performance in comparison to alternative approaches
- present your work at international conferences
- benefit of an extensive training program within the ADOPSYS program
- work one year at the TU Delft, Netherlands in the Group of Prof. Dr. Urbach

Our requirements:

- successfully completed studies in (Theoretical) Physics or Mathematics
- very good knowledge in physical/theoretical optics
- good knowledge of programming using MATLAB/Mathematica
- very good English skills
- profound analytical skills
- creativity and hands-on mentality
- high level of initiative and goal orientation
- lived only one year of the last three years in Germany (condition of the program)

With around 25,000 employees, ZEISS is one of the global leaders in the optical and optoelectronic industries. At ZEISS, you will have the opportunity to work on trendsetting technologies together with the best minds in your field. ZEISS employees passionately strive to create products that make the world a better place.

If you are interested in this position, please send us your application using the link at the bottom of this page, indicating your earliest possible entry date.

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