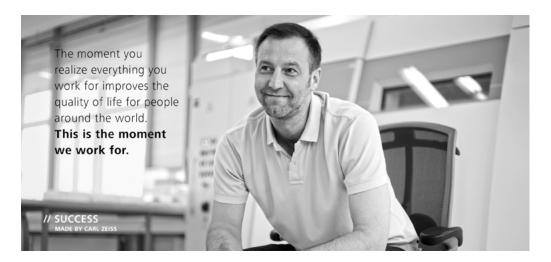
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PhD (m/f) in Theoretical Optics - temporary until 2016 | MISC - 1634



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)

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