

Heidelberg, June 2026

CEOS

Corrected Electron Optical  
Systems GmbH



We offer a permanent position for a

**Physicist (m/f/d)** (*M.Sc or Ph.D. in physics or equivalent background*)  
**with main focus on optics design for charged-particle optics instrumentation.**

**Company Description:**

The Corrected Electron Optical Systems GmbH, founded in 1996 and located at Heidelberg, Germany, develops and manufactures aberration-corrected electron optical imaging systems. In the field of Cc/Cs-correctors for TEM, STEM and SEM we are technology leader world wide. Our main focus is on research projects for our industrial and academic partners, the development of prototype instrumentation and the production of small-batch series of OEM devices.

**Job Description:**

In our group of physicists and engineers you will work on the development of advanced electron-optical instrumentation. **This requires extensive theoretical simulations, understanding of the physical requirements and the ability to judge technological constraints.** You will use our proprietary software tools for ray tracing based on perturbation-theoretical methods, numerical codes to calculate electromagnetic fields, and image analysis for aberration measurement. You will also contribute to the improvement of our simulation and analysis tools. You will help to develop novel theoretical solutions into real instrumentation and you will support the evaluation and interpretation of test results from the prototypes.

**Your profile:**

The position requires a profound education in physics and applied mathematics. Experience in electron-optics design, including field calculations and ray-tracing, is required. In-depth knowledge of scientific computing (solving ordinary nonlinear differential equations and boundary element and finite element methods for the Laplace equation) including programming in C/C++ and scripting languages is a plus. Good communication skills as well as a responsible and organized way of working are necessary.

We especially welcome applicants (m/f/d) who have recently completed their studies in one of the above-mentioned fields and are motivated to become experts in our field of particle optics.

A good command of the English language and the willingness to learn German are necessary.

We offer an attractive job in the stimulating scientific environment of modern electron optics instrumentation with motivated and friendly colleagues and good social and financial conditions.

Are you interested? Please submit your application by email.

Feel free to contact us in an informal manner for additional information.

Human Resources

Email: [jobs@ceos-gmbh.de](mailto:jobs@ceos-gmbh.de)

<https://www.ceos-gmbh.de/en>

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