

PROJECT LEADER: EUV & SXR TECHNOLOGY (m/f/d)

Location: Hamburg, Germany / Full-time

LIGHT CONVERSION is a global leader in ultrafast technology, designing and manufacturing femtosecond lasers, wavelength-tunable sources, optical parametric chirped-pulse amplifiers, microscopy sources, and spectroscopy systems. The comprehensive portfolio represents the best-in-class lasers tailored for industry, science, and medicine.

As part of our German team in Hamburg, you will get the opportunity to join the development of the most advanced extreme ultraviolet (EUV) and soft-X-ray (SXR) sources and beamlines as well as innovative applications in EUV metrology and time-resolved spectroscopy at femto- and attosecond time scales. Take responsibility for autonomous and creative work while keeping a focus on clear project goals as a project leader in EUV & SXR technology.

YOUR RESPONSIBILITIES

- Design, construct, produce, test and install products and customer-specific EUV/SXR sources based on higher-order harmonic generation (HHG), EUV/SXR beamlines, including EUV/SXR optical design, mechanical engineering, vacuum technology, opto-electronic engineering; and advanced measurement techniques, such as EUV/SXR spectroscopy and photo-electron spectroscopy
- Work with high-power femtosecond lasers from the ultraviolet to mid-infrared spectral range
- Develop new components and solutions based on simulations and experimental tests
- Manage your project budgets, timelines, resources and work closely with our experienced management team
- Work closely with our worldwide customers to discuss new product solutions and services
- Support our customers via remote or on-site services

YOUR PROFILE

- You have successfully received a PhD/Master degree from a university or technical college in the field of EUV/ higher-order harmonic generation (HHG) or attosecond science.
- 3+ years of post-doctoral or industrial experience in EUV/SXR technology
- Hands-on expertise in HHG, optical design, mechanical engineering, vacuum technology, opto-electronic engineering; and advanced measurement techniques, such as EUV/SXR spectroscopy or photo-electron spectroscopy
- Experience with high-power, ultrashort pulse laser systems and nonlinear pulse compression (preferred)
- You are skilled in CAD, electrical engineering, programming and data processing (preferred)
- Strong project management skills and the willingness to travel internationally (preferred)

WHAT WE OFFER

- 30 days of paid vacation and flexible working hours
- Key leadership role in cutting-edge EUV/SXR R&D projects
- Competitive salary package

PLEASE CONTACT US:

Dr. Robert Riedel: robert.riedel@lightcon.com
Managing Director
Light Conversion C5 GmbH
Luruper Hauptstrasse 1, 22547 Hamburg, Germany

www.lightcon.com