



UltraFast Innovations GmbH
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Open Position: Technical Lead – XUV Beamlines (f/m/d)

Employment type: Full-time, on-site

Contract: Fixed-Term with possibility of extension/permanent

Travelling time: up to 20%

Location: Garching (Munich area)

UltraFast Innovations GmbH (UFI) is a high-tech spin-off based in Garching, north of Munich. We design, manufacture, and supply state-of-the-art optics and precision instruments for ultrashort laser applications – enabling cutting-edge progress in ultrafast photonics, attosecond science, and high-power laser technology.

Our product portfolio includes dispersive mirrors, broadband beamsplitters, AR/HR coatings, and advanced systems for the generation, characterization, and manipulation of ultrafast light, alongside instruments for the quality control of optical components. We collaborate with leading laser manufacturers, research institutes, and industrial partners worldwide, and are actively expanding our commercial presence across Europe, North America, and Asia.

We are looking for a new colleague to join the UltraFast Innovations team as:
Technical Lead – XUV Beamlines

The role:

UltraFast Innovations is looking for a Technical Lead to drive the design, construction, and commissioning of our extreme ultraviolet (XUV) beamline systems. In this role, you'll own the technical leadership of Beamline product line – from analyzing customer requirements to on-site commissioning.

Key responsibilities

- Drive the design, construction, operation, and optimization of XUV-beamlines
- Direct the optical layout, mechanical integration, and vacuum infrastructure of the beamline
- Oversee the development of diagnostic tools
- Ensuring the integration of ultra-high vacuum (UHV) systems, precise motorized mirror mounts, and software control systems required for automation and stabilization of the system
- On-site beamline commissioning
- Prepare technical documentation and ensure successful software integration
- Provide expert technical guidance to customers along with our R&D engineers

Senior:

- Work together with the sales team on customized solutions and tender applications
- Manage project milestones, budgeting, and resources allocation, while aligning the beamline's capabilities with customer scientific goals
- Coordinate large scale projects with the R&D and Production teams

Your profile

- PhD in attosecond science, pump-probe spectroscopy, CDI, ARPES, lithography or a closely related field
- In depth knowledge of high-harmonic generation, VUV/XUV radiation characterization and applications, including design, optimization, tailoring and commissioning of such systems
- Familiarity with vacuum equipment and design as well as handling XUV radiation and high-power ultrafast lasers
- Knowledge of system architecture is a plus
- Experience with simulations and numerical methods is a plus
- Excellent communication, presentation and technical writing skills in English; German is a plus
- Experience in project coordination / management is a plus
- A hypothesis-driven approach to R&D combined with fact-driven decision making
- Self-motivated, customer-oriented, and at ease in an international, multicultural environment
- Structured, proactive working style with the ability to manage multiple priorities while keeping all deadlines
- Accustomed to fast-paced or industrial environments
- Experience in negotiating with vendors is a plus
- Willingness to travel internationally (up to 20%)

What we offer

- A front-row seat at the frontier of ultrafast photonics and attosecond science
- Competitive base salary with performance-related bonus
- Flexible working hours and hybrid working arrangements
- A dynamic, multicultural team within a fast-growing technology company
- Real autonomy and ownership – your results will be visible and valued
- Ongoing opportunities for professional development and career progression

Contact

We look forward to receiving your application!

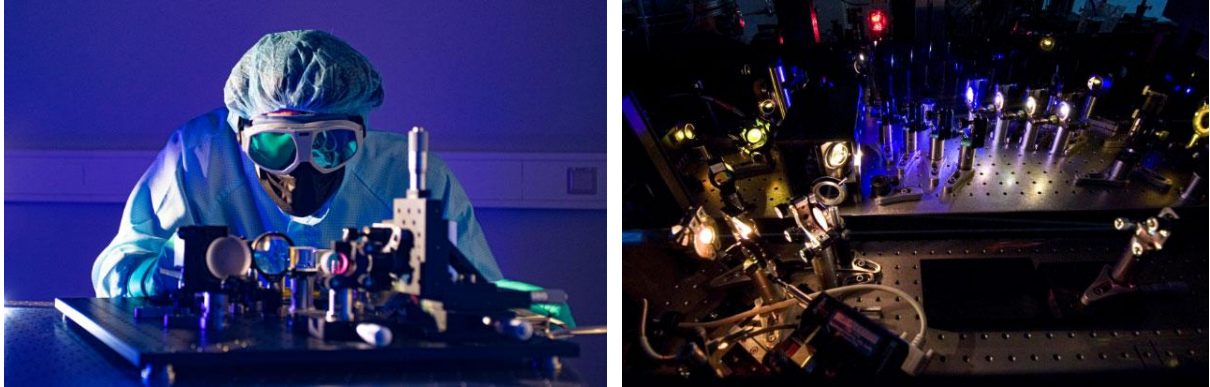
Please send us your application documents (CV and motivation letter) including a possible start date and your salary expectations to info@ultrafast-innovations.com
Subject line: Technical Lead – XUV Beamlines



Dr. Alexander Guggenmos

CEO

We are looking for YOU!



Note to agencies:

UltraFast Innovations does not accept unsolicited resumes from any sources other than directly from a candidate and will not pay a fee for any placement resulting from the receipt of an unsolicited offer, even when the relevant candidate is employed. Agencies must obtain written approval in advance from UltraFast Innovations to submit resumes. UltraFast Innovations will not pay a fee to any agency that does not have a valid agreement for service and in response to a specific job opening.