

PhD Candidate in Integrated Photonics

Joint Project with Linque & LMU Munich

Linque is a deep-tech start-up on a mission to develop cloud and AI infrastructure solutions for next-generation algorithms and computing. In a joint project with **Nanophotonics Group (Prof. Alexander Högele)** at **LMU Munich**, we are offering PhD projects towards the development of photonic chips to achieve improvements in the energy consumption and speed of computations.

Tasks

- Design and development of integrated photonic components - from simulations to internal nanofabrication processes, reaching for foundry integration.
- Development of on-chip modulators with optimum efficiency and low footprint.
- Collaborate with research institutes in Taiwan, including long-term exchange visits.
- Characterization and testing of components by designing and implementing experimental setups conducting opto-electronic measurements.

Your skills

- Master's degree in Photonics, Physics, Electrical Engineering, or a related field.
- Prior knowledge in integrated photonics, including electromagnetic and multi-physics simulations (e.g., with Lumerical, MEEP, COMSOL).
- Proficiency in optical lab measurements and data analysis.

We are looking at your motivation and potential more than your skills, feel free to apply also if you match only parts of the listed skills.

What we offer

- Opportunity to join a diverse, ambitious and well-funded team at an early stage.
- Possibility for growth and ownership in the product and the company.
- Ability to develop independently while working in a collaborative environment.
- Gain deep insight into the exciting topics around photonic hardware and work in cross-disciplinary teams.

If you are eager to contribute to the future of computing hardware, please reach out to set up a first discussion! We are an equal opportunity employer committed to fostering an inclusive and diverse environment.

Contact Details:

E-Mail: careers@linque.eu

Website: www.linque.eu

