



PhD position

Photonic integrated circuits for sensor applications

We are offering a PhD position focused on the rapidly developing field of photonic integrated circuits.

This is what it is about

Integrated photonics is one of the fastest developing research areas in the field of optical technologies. Over the last years, lithium niobate has become the dominant base material because of its excellent optical properties. Photonic integrated circuits made of this material outperform conventional systems often by far. Hence, they are attractive for more and more out-of-the lab applications.

In the frame of this projekt, chip-integrated photonic structures shall be realized and investigated providing tailored laser light for sensor applications such as waste water analysis or distance measurement.

Your future with us

Together with you, we want to advance this area of photonics. Join us in working on an explorative project and collaborate with a team well known for bringing novel concept out of the lab into industrial applications.

The successful candidate will have a strong background in physics, photonics, microsystems engineering, or a related field, and hold a master's degree in a relevant discipline. They should possess excellent communication skills and the ability to work independently and as part of a team.

We offer an exciting research topic, excellent equipment and intense supervision. Furthermore, you will have the opportunity to engage in a collaboration with colleagues of the Fraunhofer Institute for Physical Measurement Techniques IPM and attend leading scientific conferences.

Join our team

This is an exceptional opportunity to join a vibrant and dynamic research group working at the forefront of integrated photonics.

Take your career to the next level and make a significant contribution to this field. Apply today!

Please send your application including a statement letter, curriculum vitae and certificates to PD Dr. Ingo Breunig (ingo.breunig@imtek.de). He will also gladly answer questions regarding this announcement.