

Welcome to
a new dimension!



Introducing PMD[vision][®]

PMDTechnologies GmbH is a subsidiary of Audi Electronics Venture GmbH and ifm electronic gmbh. PMDTec is the world's leading supplier of integrated circuit technology for time-of-flight (ToF) imagers. We are a true leader – a market leader, solutions leader and technology leader. And we hold more than 25 worldwide patents for 3D ToF technology, with a further 40 pending.

Our business is the development and commercialization of smart optical systems for 3D range measurement. We provide innovative solutions for automotive, consumer, industrial automation, robotics and medical applications. The key task of our technical development is a consistent improvement of our PMD technology (Photonic Mixer Device), a revolutionary new generation of smart optical CMOS sensors.

For the future we have set ourselves ambitious goals. To achieve them, we want to strengthen our process technology team. We offer open position as:

Semiconductor Device Engineer

Job specification:

As a Semiconductor Device Engineer you are responsible for the development and design of Photonic Mixer Devices (PMD). You have both a broad background and a detailed understanding of optoelectronic devices, materials and integration within state-of-the-art semiconductor processes.

In our Process Technology group you will work with other staff to develop novel devices and system concepts, involving multiple aspects of photonic integration. For optimization and modeling of devices you will use semiconductor process and device simulation tools.

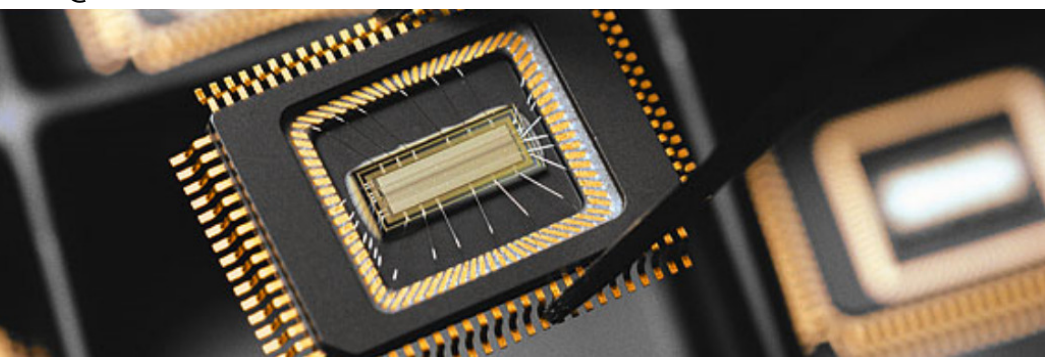
Your responsibilities include design and simulation of optoelectronic devices, development of fabrication processes and coordination of fabrication support personnel. Also you are involved in the development and implementation of sophisticated laboratory measurement equipment.

Requirement profile:

- Masters in Electrical Engineering, Physics, or related fields with experience in design, fabrication, and characterization of semiconductor devices.
- Excellent understanding of semiconductor device physics, optoelectronics, microelectronic device fabrication and process integration.
- Understanding of CMOS circuits and design with insights into how device characteristics impact circuit design
- Experience with process and device simulation frameworks
- Understanding of design of experiments and statistical analysis
- Profound analytical skills and independent and accurate working methodology.
- Basic knowledge in project- and quality-management.
- Team player and good communication skills.

If you are ready to join our development team, please send your application containing a possible starting date and your salary requirement to:

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A global player – with a
passion for 3D imaging.