

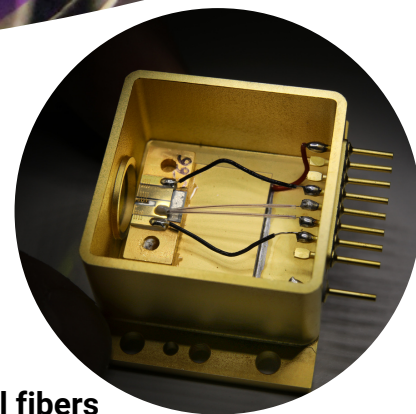
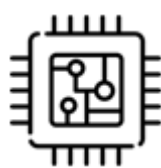
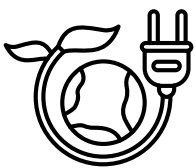


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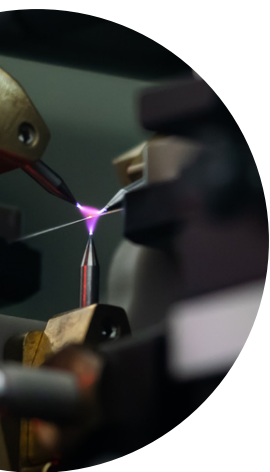
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Materials and devices for modern
technologies

**Our technologies provide
solutions for innovative
hi-tech products**



- tailored-made optical fibers
- glasses and ceramics
- graphene composites and devices
- wide offer of structure analytical methods
- application-specific integrated circuits
- infrared photonic devices (lasers and detectors)
- photonic integrated circuits (PICs)
- silicon microtechnology
- photodiodes and detectors
- micromechanical sensors
- microfluidics
- GaN-based devices
- screening tests for personalized medicine
- porous materials for gas sensors
- supercapacitors
- diffraction optics
- LTCC structures
- hydrogen fuel cells
- printed flexible electronics
- testing and certification
- electromagnetic compatibility
- radio, noise, energy efficiency



**Extensive portfolio
of key photonic and
microelectronic
technologies**



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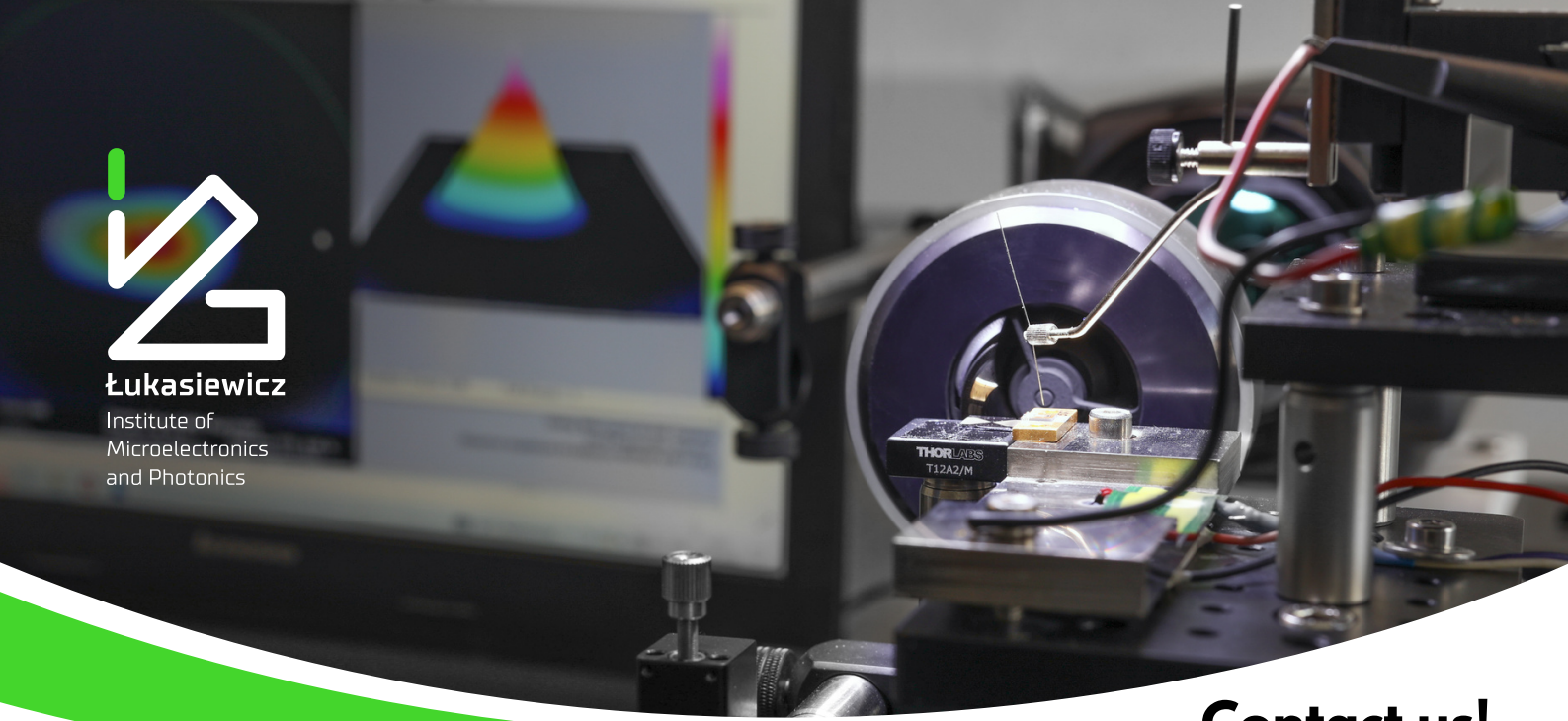
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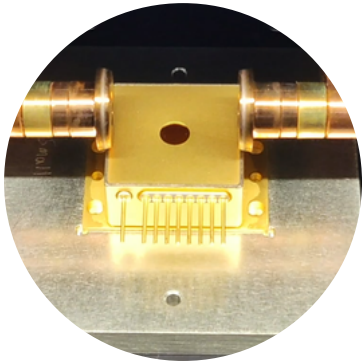


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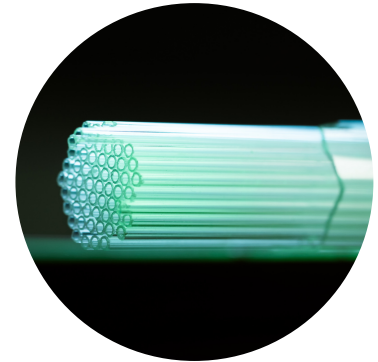
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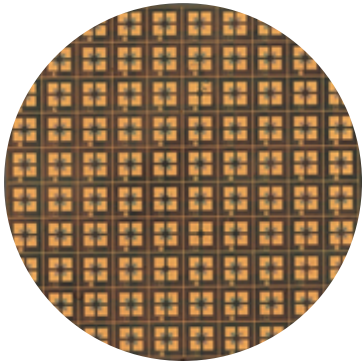
semiconductor lasers:
QCL, PICs, Voxels



GaN semiconductor devices



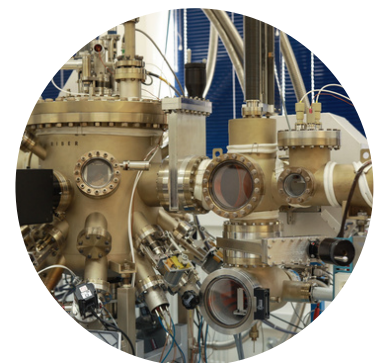
optical fibers



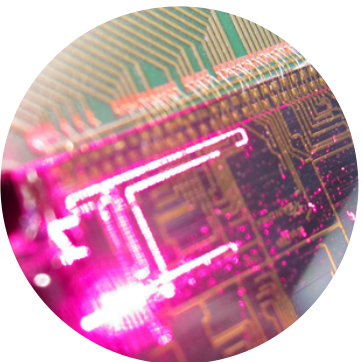
graphene magnetic field sensor



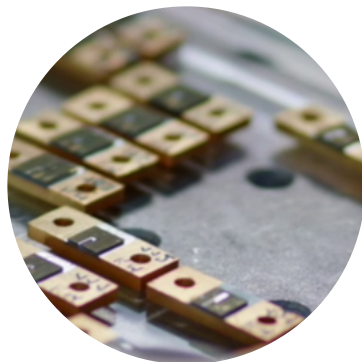
all-fiber systems for lasing



Molecular Beam Epitaxy (MBE)



photonic integrated circuits



quantum cascade lasers



quantum computing systems



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