

WROCLAW RESEARCH CENTRE EIT+ (WRC EIT+)

is a unique research and development centre, focused on the cooperation between scientists and entrepreneurs. It is the largest infrastructural project in Poland in R&D area – by the end of 2015 we will to have over 23,000 m² of fully-equipped laboratory space.

NANOTECHNOLOGY AND MATERIAL TECHNOLOGIES are the major research specializations of WRC EIT+. Our areas of interest span across: nanoelectronics, nano-composites, photonics, laser technologies and polymer materials.

NANOTECHNOLOGY DEPARTMENT

Nanotechnology Department was established in 2010. The Department's main fields are photonics, material engineering and rare earth metals. With more than 40 scientists on board Nanotechnology Department participates in over 25 research tasks and projects financed by EU, national institutions and private sector.

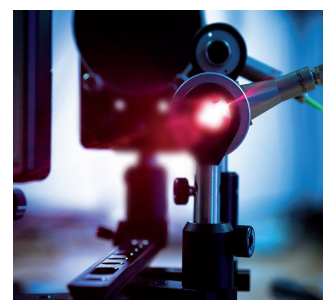
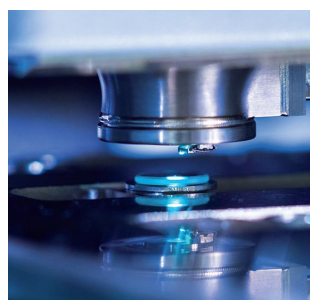
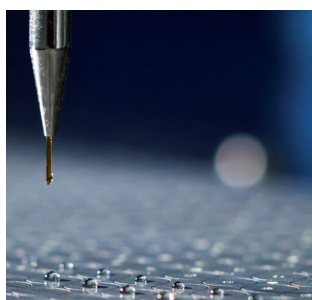
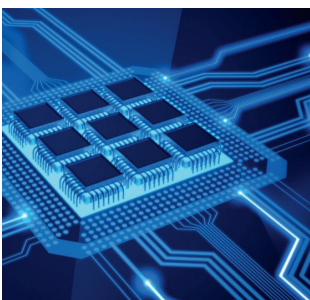
CURRENTLY OPERATING LABORATORIES

are: Crystallography, Electron Microscopy, Optical Spectroscopy, Laser Sensing, Printed Electronics and Solar Cells, Solid State Physics, Biospectroscopy and Bioimaging, Nano-bioengineering, Polymer Materials and Luminescent Materials.

„**NANOMAT** – the application of nanotechnology in Advanced Materials” is the Department's flagship project. It involves interdisciplinary research aimed at manufacturing of technologically advanced materials, developing of nanotechnology and its application.

MAIN RESEARCH TOPICS:

- Short-wavelength optoelectronics
- Electronic and spintronic devices based on group-III nitrides
- Printed electronics and thin-film solar cells
- Laser-based gas sensing
- Optical spectroscopy (UV/VIS/IR)
- Laser micromachining
- Polymer and functional materials
- Sol-gel process
- New optical materials and methods for applications in biosensing and bioimaging
- Nanomaterials for biophotonics
- Advanced materials characterization



**INNOVATIVE
ECONOMY**
NATIONAL COHESION STRATEGY



EUROPEAN UNION
EUROPEAN REGIONAL
DEVELOPMENT FUND



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