

Laboratory of optical microscopy

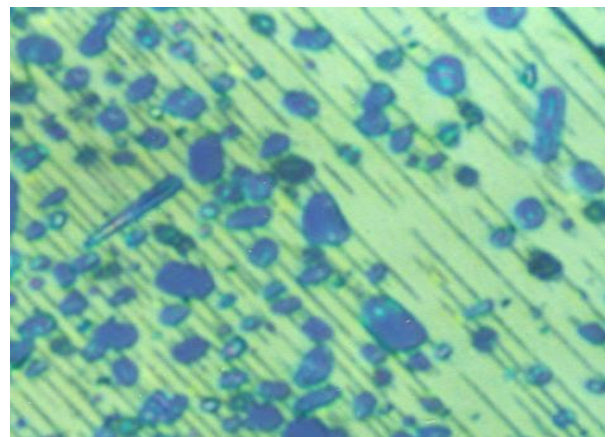
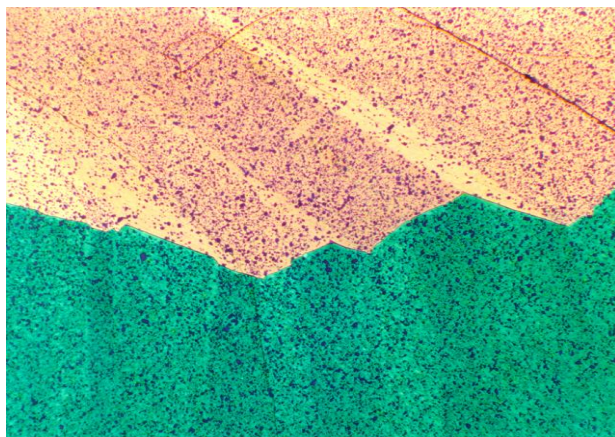
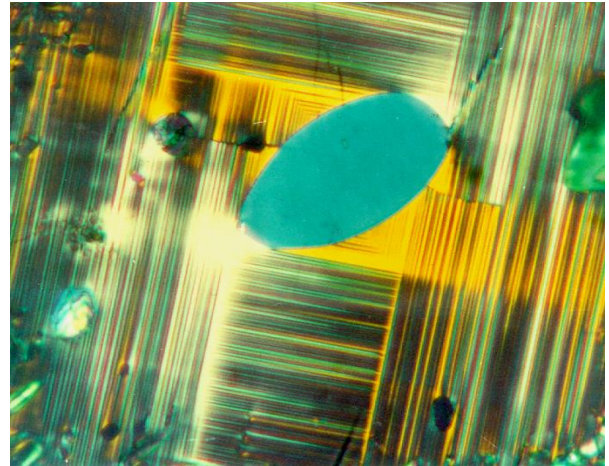
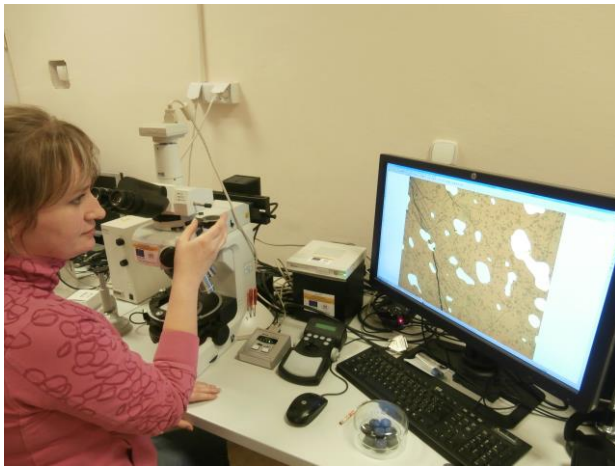
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Research program

- High T_c superconductors
- Magnetocaloric materials
- Heusler alloys (cooperation with UPJŠ, Prof. S. Varga)

Equipments

- Polarised light optical microscope NIKON
- Image processing software
- Stereomicroscope



Applications

- Measurement of the size, shape and volume fraction of pinning centres in singlegrain REBCO bulk superconductors.
- Visualization of optically anisotropic crystalline phases in the superconducting and magnetocaloric ceramic materials.