**Powder Metallurgy**

Diamond-impregnated tools with
- thermally insulating and
- thermally conducting structure

**Objective**
- dry machining of mineral materials (concrete, stone)

**Materials Analysis**

- characterization of material properties
- metallography
- component testing
- failure testing

**Joining Technology**

Brazing of cemented carbides, monocrystalline and polycrystalline diamonds

**Objective**
- special brazing techniques
- development of new filler metals

**Coating Technologies**

Diamond-impregnated tools through thermal spraying

**Objective**
- new production routes for diamond composite layers
- manufacturing of complex geometries