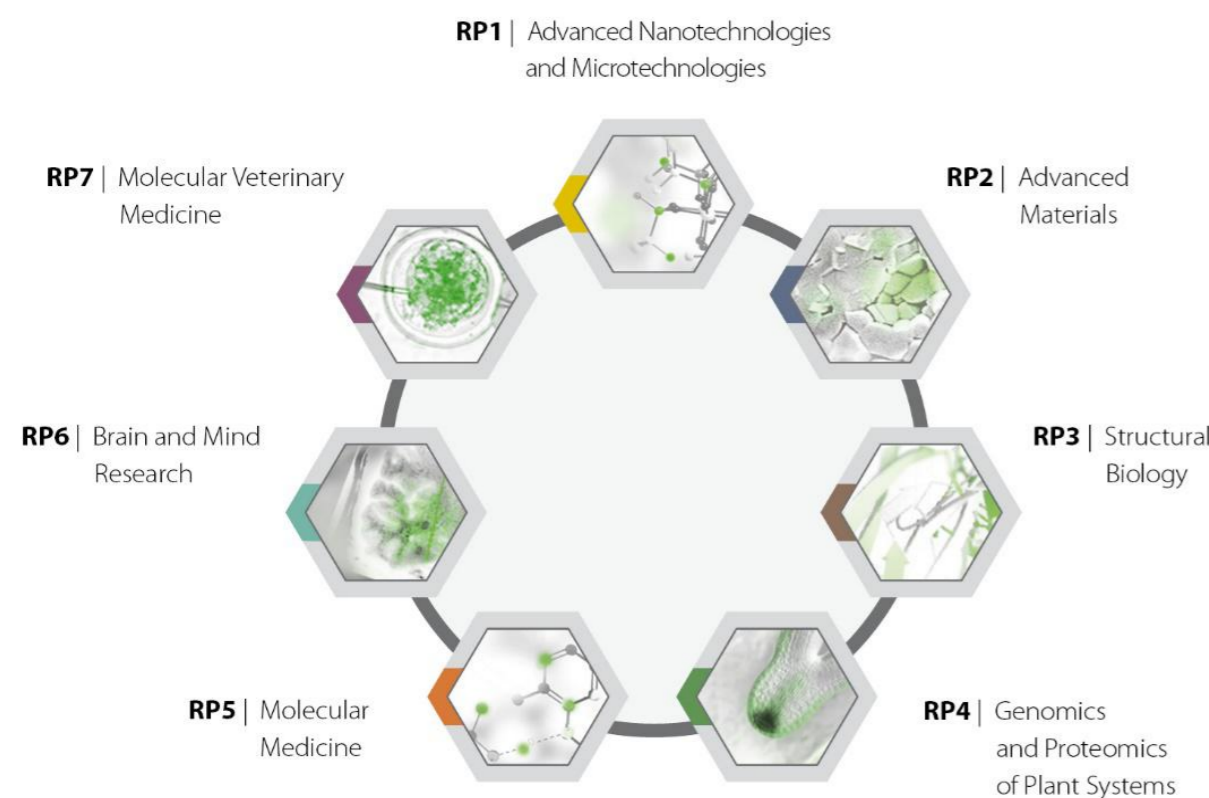
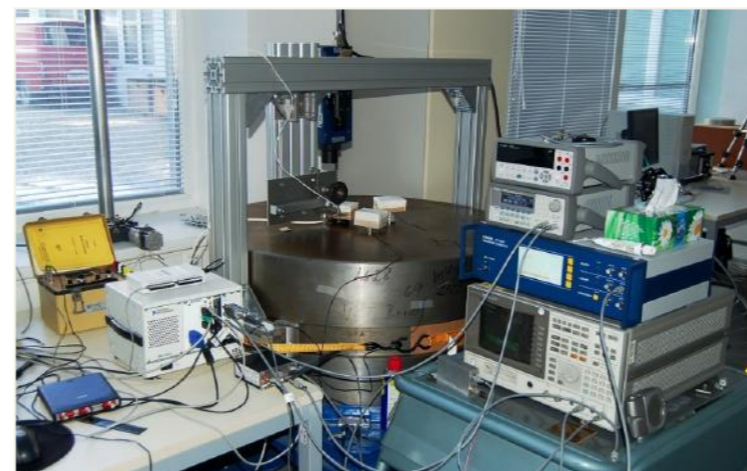


CEITEC – interdisciplinary research center



- Research in material science, ICT and life science
- State-of-the-art research infrastructure and equipment
- Focus on fundamental research as well as applied research and cooperation with industry
- Cybernetics in Material Science – strong focus in cooperation in applied R&D
 - Automatic control algorithms with applications in electrical drives and automotive industry
 - Smart sensors and instrumentation with applications in vibration and noise sensing, acoustic holography, acoustic emission sensors
 - Special electronics and computing HW for signal processing, computer vision and industrial communications

- Mobile robotics for rescue, reconnaissance and service missions. Robotic applications in health care and agriculture
- Examples of running/accepted FP7/H2020 applied R&D projects – collaboration with industry
 - MotorBrain - Nanoelectronics for Electric Vehicle Intelligent Failsafe Power Train
 - EMC² - Embedded multi-core systems for mixed criticality applications in dynamic and changeable real-time environments
 - ACCUS – Adaptive Cooperative Control of Urban Systems
 - 3CCAR - Integrated Components for Complexity Control in affordable electrified cars
 - OSEM-EV - Optimised and Systematic Energy Management in Electric Vehicles
- Extensive experience in research contracts on commercial basis
- Looking for new opportunities for cooperation in R&D projects as well as research contracts



CENTRAL EUROPEAN INSTITUTE OF TECHNOLOGY - CEITEC

Brno University of Technology
Brno, Czech republic

Existing partnerships

Infineon Technologies

Siemens

Fraunhofer

TU Dresden

Ostbayerische Technische Hochschule Amberg-Weiden

Karlsruhe Institute of Technology

Imperial College

ETH Zurich



Central European Institute of Technology
BRNO | CZECH REPUBLIC

Contact Details

Prof. Ing. Pavel Václavek, Ph.D.
CEITEC BUT
RG Cybernetics in Material Science
Phone +420 604 229 558
pavel.vaclavek@ceitec.vutbr.cz
www.ceitec.eu