

Slovak University of Technology in Bratislava

Prof. Ing. Robert Redhammer, PhD.
robert.redhammer@stuba.sk, rector@stuba.sk

Rector of Slovak University of Technology in Bratislava, Slovakia

1st Eastern European Innovation Partnership High-Level Meeting
22 May 2014 - Stuttgart

General information about Slovak University of Technology in Bratislava (STU)

Founded in 1937

(predecessor: Mining and Forestry Academy in Banská Štiavnica, Slovakia 1762-1918)

Engineering and Technology

- Advanced Materials and Technologies
- ICT
- Biotechnology, Food Technology
- Water in Nature
- Constructions
- Energy, Renewables, SmartGrids
- Architecture and Urban Planning

STU in numbers now:

- 140 000 graduates
- **17 000 students**
- 7 faculties (schools)
- 800 industrial contracts
- 600 state research projects
- 107 international projects
- 1 900 teaching and research staff
- 6 centres of excellence
- 2 university science parks
- 35 SME start-ups

Participation in national and international innovation and technology transfer projects

FP7 (ICT, NMP, Food, Enviro, Euratom, etc.), ENIAC, CIP

- Materials for Robust Gallium Nitride - MORGAN
- Development of a cost-effective, durable coating system with low fungicide content for wood surfaces using Plasma Discharge – DURAWOOD
- Developing the Next Generation of Biocatalysts for Industrial Chemical Synthesis – BIONEXGEN
- SMArt systems Co-design – SMAC
- Next-Generation Hybrid Broadcast Broadband – HBB-NEXT
- Preventing and Remediating degradation of soils in Europe through Land Care – RECARE
- Glycerol Biorefinery Approach for the Production of High Quality Products of Industrial Value - GRAIL

Priorities in innovation and technology transfer

- Electrical Engineering – Multipurpose Biomonitoring Sensor and A Process for Preparing a Stable Layer of Calcium
- Petrochemicals – Additive for Cetane Number Increase of Diesel Fuels and Bio-Diesel Fuels and Its Use (PCT application)
- Mechanical engineering – Axial Extruder with a Rotating Head and Pellet Press Machine (PCT application – in preparation)
- Polymer Composites – Biodegradable Polymers (PCT application)
- Analytical Chemistry – Biosensors (DNA-based biosensors)