Ongoing Projects

1) Reduction of Earth Metals in chalkopyritebased Solar cells (REMSOLAR)

2) Advance Manufacturing Process Monitoring using in-line Laser Thermography (AMPLAST)

3) Combined process and alloy design of a micro-alloyed DP Forging steel based on integrative computational material engineering (DP-FORGE)

4) Microfluidic based detection of microbial communities and antibiotic responses in the management of diabetic foot ulcers (MIDARDI)

5) Next-generation dynamic Scheimpflug imaging and biomechanical analytics for in vivo quantification of corneal viscoelasticity (SIBAC)

6) Re-engineering high-end audiometric devices for robust and affordable audiological testing (SOUND4ALL)

7) Resource and energy reliability by co-digestion of veg-market and slaughter-house waste (RESERVES)

8) Low-cost emergency power system based on printed smart supercaps (LowCostEPS)

9) Online-indication of pathogen-like pollution in water by fecal pigment analysis (Fec-Online)

10) DNA Biochip for on-site water pathogen detection including viability and antibiotic resistance testing (WaterChip)

11) Multiplexed, label-free fiber optic biosensor array system for waterborne pathogen detection (Multi-WAP)

12) Cluster-composite nanofibre membranes for rapid, ultra-trace detection of waterborne contaminants (CANDECT)

13) Nanostructured hybrid transparent network electrodes for large area visibly transparent solar cells (METNETWORK)