SUPERCONDUCTORS
and other “functional” ceramics used in ELECTRICAL ENGINEERING

Some examples…
Electrical resistance and critical current of a 350-m long coil [BSCCO/Ag]

Magnetic shielding
“Crossed magnetic fields”

ELECTRICAL INSULATORS
and other weakly conducting materials (textiles, polymers, ceramics, etc.)

Some examples…
Microprobe for measuring conducting textiles used as filters

Measurement of partial discharge (PD) patterns

Measurement of smart composites used as shaped memory polymers

DESIGN AND IMPLEMENTATION OF SENSITIVE MEASUREMENT SYSTEMS

Magnetometer for large samples
3D Mapping with a miniature Hall probe
Magneto-Optical measurement system