

Session 6:

ELECTRONICS, MEASUREMENT, TELECOMMUNICATIONS

Chairperson: prof. Ing. Daniela Ďuračková, PhD.

9:00 - 10:45

**1. THE THEORETICAL BACKGROUND OF DESIGN OF ACCREDITED
LABORATORIES FOR TESTING OF THE HIGHFREQUENCY MEASURE**

Peter Mikuš, René Hart'anský, Viktor Smieško

**2. CREATING AND MEASUREMENT OF THE DESIGNED POWER SUPPLY FOR THE
NEAR FIELD ELECTROMAGNETIC PROBE**

Jozef Slížik, René Hart'anský, Viktor Smieško

**3. DEVELOPMENT OF MULTIFUNCTIONAL DEVICE FOR MEASURING THE
BIOELECTRICAL IMPEDANCE**

Marián Popovič, Erik Vavrinský, Ondrej Szabó, Vladimír Tvarožek

**4. BORON DOPED DIAMOND ELECTRODES FOR SIMULTANEOUS DETECTION OF
CADMIUM, LEAD AND ZINC IN REAL WATER SAMPLES**

Miroslav Behúl, Marian Vojs

10:00 – 10:15 Coffee Break

5. NANOSTRUCTURED SURFACES OF METAL OXIDES FOR GAS SENSORS

Pavol Nemeč, Ivan Hotový, Ivan Kostic

**6. BANDWIDTH ALLOCATION METHODS IN NEW GENERATION PASSIVE
OPTICAL NETWORKS GPON/XG-PON**

Zoltán Bosternák