

**May 29, 2019**

## **Session IV**

# **ELECTRONICS & PHOTONICS MEASUREMENT TECHNOLOGY ELECTRICAL ENGINEERING**

**Chair: doc. Ing. Elemír Ušák, PhD.**

**09:00 - 11:00**

**1. UHF noise suppression in circuits of smart electronics using  
electromagnetic mixture media**

Kornel Lisý, Rastislav Dosoudil and Mariana Ušáková (ÚE)

**2. TDR and TDT methods for measuring pulse characteristics of  
semiconductor devices**

Martin Vilhan, Alexander Šatka and Juraj Priesol (ÚEF)

**3. Measurement of noise characteristics of selected JFET devices**

Erik Tisovský, Alexander Šatka and Juraj Priesol (UEF)

**4. Effect of light on the circadian rhythm of man**

Samuel Sedlák (ÚEF)

**5. Preparation of silicon photonic structures**

Ľuboš Podlucký (ÚEF)

**6. The Effect of Europium and Zinc Substitution on the Structure and  
Magnetic Properties of Nickel Ferrite**

Eva Branicka, Mariana Ušáková, Elemír Ušák, Martin Šoka (ÚE)