**Industrial measurements and data collection (ECTS credits: 6)**

Language: the course is offered in English, Serbian and Hungarian.

Contact person: Dr. Lívia Szedmina (slivia@vts.su.ac.rs)

**Course description:**

The course covers the following topics: sensor classification, sensors for measuring non-electric quantities, sensors for measuring electric quantities, signal processing and data transmission of measurement sensors, data processing and visualization

**Aims:**

The course covers the basic topics of electrical measurements, sensors and measuring methods of electric and non-electric quantities**.** Intelligent sensor systems. Processing and visualization of measurement data. Learning the use of various sensor for electric and non-electric quantities**.** Learning the implementation of sensor systems, processing the measured signals and data.