

## **Hrvoje Hegeduš, Doctor of Science (Ph.D.)**

**Institution:** University of Zagreb Faculty of Electrical Engineering and Computing, Department of Electrical Engineering Fundamentals and Measurements

**Short biography and experience:** Hrvoje Hegeduš works as an associate professor at the Faculty of Electrical Engineering and Computing, at the Department of Electrical Engineering Fundamentals and Measurements. He started there as an assistant back in 2005 and received his doctorate in 2011 on the topic of *Reducing the Uncertainty of Measurements of Alternating Quantities in a Mobile Measuring Laboratory*. From the position of assistant, via institute associate, he reached the position of associate professor, and his areas of scientific research are power electronics, signal processing, circuits and systems, and communications technologies. He participated in numerous projects such as *Measuring infrastructure for smart networks (HRZZ)*, *Traffic management in storm conditions on the A6 highway (ARZ)*, and many others. His professional interests are systems for data acquisition, processing, and storage (data loggers and sensors), measurement of electrical quantities in high accuracy, calibration of instruments and laboratory equipment, measurement of non-electrical quantities and measurement converters, embedded systems based on microcontrollers and meteorological measurement systems. Hrvoje works as a member of the Croatian Metrology Society.

**Lecture title:** The Use of Sensor Technologies in the Measurement of Soil Water Content (with Ivan Magdić)

### **Links:**

- ORCID: <https://orcid.org/0000-0003-2267-0198>
- FER: <https://www.fer.unizg.hr/hrvoje.hegedus>
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