

# INFORMATICS

## **Brain-training games for spatial hearing.**

supervisor: doc. Ing. Norbert Kopčo, PhD.

study form: full time

**Annotation:** Solutions designed to enhance auditory processing when hearing thresholds are within normal limits are very limited and none are as recognized or as widely available as are hearing aids and cochlear implants. The project aims to contribute to the development of novel procedures to rehabilitate auditory processing deficits (APD) by developing a brain training game based on modern auditory neuroscience and the results of the EU Horizon 2020 ALT grant. The development of auditory brain training game will be in collaboration with University of California, Riverside Brain Game Center and Oregon Health State University. The main goal of the games is to develop and test rehabilitative techniques that restore auditory function for those who perform poorly on tests of APD by training various aspects of auditory processing.