

CONTACT INFORMATION	<div> <div> E-mail: avoicikas@gmail.com WWW: avoicikas.github.io </div> <div> LinkedIn GitHub Publications </div> </div>
QUALIFICATION AND INTERESTS	Brain-computer interface (BCI), Biosignals Processing, Neurofeedback, Electrophysiology, Experiment Setup and Optimization, Neural Networks.
PROFESSIONAL EXPERIENCE	<ul style="list-style-type: none"> • Research engineer, Neurotechnology, 2021 to present • Assistant Professor, Researcher at Vilnius University, 2019 to present • Junior researcher at Vilnius University, 2013 - 2019
TEACHING	<ul style="list-style-type: none"> • Biological data analysis and collection (BSc; 2019 to present) • Biological data analysis (MSc; 2020 to 2022)
HARDWARE AND SOFTWARE SKILLS	<ul style="list-style-type: none"> • Computer Programming: Python, MATLAB, UNIX shell scripting • Data Analysis: Pandas, NumPy, Matplotlib, Pytorch, Tensorflow, Scikit-learn, Seaborn, Bokeh, Plotly, Panel, Airflow, MLFlow, Lightning • Productivity Applications: Git, Microsoft Office, Libre Office, \TeX, Makefiles • OS: Linux, Microsoft Windows
EDUCATION	<ul style="list-style-type: none"> • PhD studies, VU, Life Sciences Center, 2019, Biophysics. <i>Investigation of the Dependence of Brain Auditory Steady-State Responses on Stimulation Type</i> • Master studies, VU, Faculty of Natural Sciences, 2013, Biophysics. <i>EEG Phase Coherence During Presentation of Emotional Stimuli</i> • Bachelor studies, VU, Faculty of Physics, 2008, Computing Physics. <i>Statistical Simulations: Sinai's Billiard and Resistor Networks</i>
PROJECTS	<ul style="list-style-type: none"> • Research project "Individual gamma frequency based neurofeedback"; Researcher, 2020-2022 • Research project "40 Hz ASSR dependence on stimulus duration"; Researcher, 2020-2021 • Research project "Brain-Computer Music Interfacing for Embodied Musical Interaction"; Researcher, 2019-2021 • Research project "New EEG Clustering Methods for Pre-clinical and Clinical Applications" funded by Chilean funding agency Comisión Nacional de Investigación Científica y Tecnológica (CONICYT); 2018-2019 • Institutional partnership project "State-dependent information processing: implementation of electrical neuroimaging approach in Lithuania" in collaboration with University of Geneva and University Hospital of Psychiatry Bern, CH-3-ŠMM-02/03 from the Research Council of Lithuania within the Lithuanian-Swiss programme "Research and development"; 2016 • Research project "Treatment-resistant schizophrenia: identification of electrophysiological markers" MIP-009/2014 from the Research Council of Lithuania within the collaboration programme with USA scientists; Researcher, 2014-2016
LANGUAGES	<ul style="list-style-type: none"> • Lithuanian - mother tongue • English - (CERF - understanding C1, speaking C1, writing C1) • Russian - (CERF - understanding B2, speaking B2, writing A1)