

Contact Information	<p>Researcher, Assistant Life Sciences Center Vilnius University Saulėtekio ave. 7, LT-10257 Vilnius, Lithuania</p>	<p>Phone: +370 617 38 312 E-mail: avoicikas@gmail.com aleksandras.voicikas@gmc.vu.lt WWW: biofizika.gf.vu.lt</p>
Research Interests	Electroencephalography (EEG), steady state response (ASSR, VSSR, SSSR), event-related potentials (ERP), resting state, microstates, experiment setup and optimization, biosignals preprocessing and analysis, brain-computer interface (BCI), neuro-feedback.	
Education	<p>PhD studies, VU, Life Sciences Center, 2019</p> <ul style="list-style-type: none"> • Biophysics • Thesis topic: Investigation of the Dependence of Brain Auditory Steady-State Responses on Stimulation Type • Supervisor: dr. Inga Griškova-Bulanova <p>Master studies, VU, Faculty of Natural Sciences, 2013</p> <ul style="list-style-type: none"> • Biophysics • Thesis topic: EEG Phase Coherence During Presentation of Emotional Stimuli • Supervisor: Prof. dr. Osvaldas Rukšėnas <p>Bachelor studies, VU, Faculty of Physics, 2008</p> <ul style="list-style-type: none"> • Computing Physics • Thesis topic: Statistical Simulations: Sinai's Billiard and Resistor Networks • Supervisor: Prof. dr. Egidijus Anisimovas <p>Secondary education, Žemynos gymnasium, 2004</p>	
Publications	<ul style="list-style-type: none"> • Griskova-Bulanova I, Voicikas A, Pipinis E, Parciauskaite V, Potapovas M, Jurkuvenas V (2019) Auditory steady-state responses and the complex information processing. IBRO Reports 6-S191 • Parciauskaite V, Voicikas A, Jurkuvenas V, Tarailis P, Kraulaidis M, Pipinis E, Griskova-Bulanova I (2019) 40-Hz auditory steady-state responses and the complex information processing: An exploratory study in healthy young males. Plos one 10-14 • Pipinis E, Voicikas A, Griskova-Bulanova I (2018) Low and high gamma auditory steady-states in response to 440 Hz carrier chirp-modulated tones show no signs of attentional modulation. Neurosci Lett 678 • Griskova-Bulanova I, Pipinis E, Voicikas A, Koenig T (2018) Global field synchronization of 40 Hz auditory steady-state response: Does it change with attentional demands? Neurosci Lett 674:127–131 • Griskova-Bulanova I, Dapsys K, Melynyte S, Voicikas A, Maciulis V, Andruskevicius S, Korostenskaja M (2018) 40 Hz auditory steady-state response in schizophrenia: Sensitivity to stimulation type (clicks versus flutter amplitude-modulated tones). Neurosci Lett 662:152–157. • Melynyte S, Pipinis E, Genyte V, Voicikas A, Rihs T, Griskova-Bulanova I (2017) 40 Hz Auditory Steady-State Response: The Impact of Handedness and Gender. Brain Topogr 31:1–11 • Griskova-Bulanova I, Griksiene R, Voicikas A, Ruksenas O (2016) Go and NoGo: modulation of electrophysiological correlates by female sex steroid hormones. Psychopharmacology (Berl) 233:2607–2615 • Voicikas A, Niciute I, Ruksenas O, Griskova-Bulanova I (2016) Effect of attention on 40 Hz auditory steady-state response depends on the stimulation type: Flutter amplitude modulated tones versus clicks. Neurosci Lett 629:215–220 • Rimgailė-Voicik R, Naujalis JR, Voicikas A (2015) Organization of club moss gametophytes and juvenile sporophyte populations in pine forests. Polish J Ecol 	

Participation in projects	<ul style="list-style-type: none"> • 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 • PhD project "Brain steady-state response dependence on stimulation type"; 2014-2019
Teaching	<ul style="list-style-type: none"> • Biological data analysis and collection (BSc; 2019 to present) • Biological data analysis (MCs: 2020 to present) • Study Course "EEG experiment design and data analysis" 2019
Awards	<ul style="list-style-type: none"> • LMT (Research Council of Lithuania) scholarship for academic results (2017)
Qualification improvement	<p>Internship:</p> <ul style="list-style-type: none"> • 2016.06.02-07.01 Functional Brain Mapping Laboratory at the University of Geneva (Prof. Christoph Michel, Geneva (Switzerland)) <p>Courses Attended:</p> <ul style="list-style-type: none"> • "General competency skills training"; Vilnius, Lithuania; 17-21 10 2016 • "Neuroimaging and fMRI data analysis – clinical and research applications"; Vilnius, Lithuania; 5-9 09 2016 • "London SPM Courses 2016" London, UK; 16-19 04 2016 • "EEG/ERP Topography"; Vilnius, Lithuania; 20-23 03 2016 • "3rd Baltic-Nordic Summer School on Neuroinformatics"; Tartu, Estonia; 15-18 06 2015 • "Cognitive neuroscience of auditory and cross-modal perception"; Kosice, Slovakia; 20-24 04 2015 • "Practical data analysis and modeling in cognitive and clinical neuroscience"; Ghent, Belgium; 14-18 03 2014 • "Nervous system analysis methods: EEG and ERP"; Vilnius, Lithuania; 26-28 09 2013 • "1st Baltic-Nordic Summer School on Neuroinformatics"; Kaunas, Lithuania; 29-31 05 2013
Hardware and Software Skills	<p>Computer Programming:</p> <ul style="list-style-type: none"> • Matlab, Python, R, C, Java <p>Experiment Setup:</p> <ul style="list-style-type: none"> • E-Prime, Experiment Builder, PsychoPy, Psychtoolbox <p>Productivity Applications:</p> <ul style="list-style-type: none"> • Git, Microsoft Office, Libre Office, \TeX (\LaTeX, $\text{Bib}\text{\TeX}$) <p>Operating Systems:</p> <ul style="list-style-type: none"> • Microsoft Windows, Linux <p>Analog and Digital Electronics:</p> <ul style="list-style-type: none"> • Arduino UNO/DUE, Raspberry PI

Languages	<ul style="list-style-type: none"> • Lithuanian - mother tongue • English -(CERF - understanding C1 , speaking B2, writing B2) • Russian -(CERF - understanding B2 , speaking B2, writing A1)
Professional Memberships	<ul style="list-style-type: none"> • Lithuanian Neuroscience Association (2012 to present) • The International Society for Brain Electromagenetic Topography (ISBET) (2016 to present) • Organisation of Human Brain Mapping (OHBM) (2016 to present)
Service	<ul style="list-style-type: none"> • "10th Conference of Lithuanian Neuroscience Association (LNA)"; Vilnius. Lithuania; 30-1 11-12 2018 • "Nervous system analysis methods: EEG and ERP"; Vilnius, Lithuania; 5-6 02 2016 • "Brain Awareness Week 2015" Vilnius, Lithuania;16 – 22 03 2015 • "School 2013"; Litexpo ;Vilnius, Lithuania 6-8 12 2016 • "Spaceship Earth"; Kaunas, Lithuania; 13 09 2013
Other information	<ul style="list-style-type: none"> • Driving license B category, 2016