Tigran Nairi Hovhannisyan

tigran.hovhannisyan@ysu.am

Ռադիոֆիզիկայի և հեռահաղորդակցության կենտրոն
Ենթամիլիմետրային ալիքների լաբորատորիա
Junior Researcher

Research Institute of Physics
Ռադիոֆիզիկայի և հեռահաղորդակցության կենտրոն
Ենթամիլիմետրային ալիքների լաբորատորիա
Junior Researcher

Institute of Physics
Chair of Radiophysics and Telecommunications
Lecturer on an hourly basis

Education

Institution	Yerevan State University
Faculty	Radiophysics
Date	2020 - 2022
Degree name	Masters

Institution	Yerevan State University
Faculty	Radiophysics
Date	2016 - 2020
Degree name	Bachelor

Scientific Rank/degree

Institution	Yerevan State University
Date	2025
Degree name	Candidate
Scientific Supervisor	Makaryan Armen Hovhannes
Research Topic	Investigation of electromagnetic activity of neural networks

Language skills

Հայերեն English Русский

Work experience

Institution	Lasercut Ltd
Period of time	2023 till now

Rank/degree	Engineer-developer

Institution	Yerevan State University
Period of time	2023 till now
Rank/degree	Lecturer

Participation in international conferences and seminars

30/03/2022	Advanced Cardiology and Cardiovascular Research France
27/09/2022	International Conference on Microwave & THz Technologies, Wireless Communications and OptoElectronics (IRPhE 2022) Armenia

Publications

Article

Sensor Technologies for Brain Signal Registration and RF Emission Analysis
Babken Hovhannisyan, Tigran Hovhannisyan, Armen Makaryan, Vanand Mkhoyan

Armenian Journal of Physics 2025 48-52

Article

Investigation of Nerve Fiber Network in THz Spectrum Range
T. Hovhannisyan, A. Makaryan

Armenian Journal of Physics 2024 17-20

Article

Исследование параметров нейронной системы спинного мозга в терагерцовой области частот
Т. Н. Оганесян, А. О. Макарян, академик Р. М. Мартиросян

Доклады НАН РА 2024 16-23

Article

Nonlinear Properties of Biological Nerve Fiber System in THz Spectrum Range
T. N. Hovhannisyan

Reports of NAS RA 2024 7-11

Article

Investigation of nonlinear properties of animal spinal cord in THZ range
Tigran Hovhannisyan, Armen Makaryan, Radik Martirosyan

IET conference proceedings. 2024 19 - 22 / 208333

Article

Statistical analysis of the electroencephalographic signals
Babken Hovhannisyan, Tigran Hovhannisyan, Armen Makaryan, Eduard Sivolenko, Vanand Mkhoyan

IET conference proceedings. 2024 23-25

Article

Biosignal processing using machine learning methods
T. Hovhannisyan, A. Makaryan, B. Hovhannisyan, S. Khachunts, A. Mkoyan, A. Manasyan

International Conference on Microwave & THz Technologies, Wireless Communications and OptoElectronics (IRPhE 2022)
2023 3

Article

Study of the Brain Response to the MHz RF Signal

T. N. Hovhannisyan

Journal of Contemporary Physics (Armenian Academy of Sciences) 2022 182-186

Article

ЧАСТОТНО-ВРЕМЕННОЙ АНАЛИЗ ЭЛЕКТРОКАРДИОГРАММ
Б.А. ОГАНИСЯН, А.О. МАКАРЯН, Т.Н. ОГАНЕСЯН

Proceedings of NAS RA Physics 2020 575-581
