

# Tigran Nairi Hovhannisyan

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## Research Institute of Physics

Submillimeter-Wave Laboratory

Junior Researcher



## Education

<b>Institution</b>	Yerevan State University
<b>Faculty</b>	Radiophysics
<b>Date</b>	2020 - 2022
<b>Degree name</b>	Masters

<b>Institution</b>	Yerevan State University
<b>Faculty</b>	Radiophysics
<b>Date</b>	2016 - 2020
<b>Degree name</b>	Bachelor



## Scientific Rank/degree

<b>Institution</b>	Yerevan State University
<b>Date</b>	2025
<b>Degree name</b>	Candidate
<b>Specialty</b>	Physico-mathematical sciences
<b>Scientific Supervisor</b>	Makaryan Armen Hovhannes
<b>Research Topic</b>	Investigation of electromagnetic activity of neural networks



## Language skills

Հայերեն English Русский



## Work experience

<b>Institution</b>	Lasercut Ltd
<b>Period of time</b>	2023 till now
<b>Rank/degree</b>	Engineer-developer

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

## Participation in international conferences and seminars

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

## Publications

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*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

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*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

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*Article*

**Investigation of Nerve Fiber Network in THz Spectrum Range**

T. Hovhannisyan, A. Makaryan

Armenian Journal of Physics 2024 17-20

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*Article*

**Nonlinear Properties of Biological Nerve Fiber System in THz Spectrum Range**

T. N. Hovhannisyan

ՀՀ ԳԱԱ զեկոլոցներ 2024 7-11

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*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

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*Article*

**Statistical analysis of the electroencephalographic signals**

Babken Hovhannisyan, Tigran Hovhannisyan, Armen Makaryan, Eduard Sivolenko, Vanand Mkhoyan

IET Conference Proceedings 2024 23-25

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*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

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*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

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*Article*

**ЧАСТОТНО-ВРЕМЕННОЙ АНАЛИЗ ЭЛЕКТРОКАРДИОГРАММ**

Б.А. ОГАНИСЯН, А.О. МАКАРЯН, Т.Н. ОГАНЕСЯН

Известия НАН РА. Физика (Journal of Contemporary Physics (Armenian Academy of Sciences) 2020

575-581

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