Naira Yurik Gasparyan

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in

Institute of Physics
Chair of Physical Process Modeling and Signal Processing
Senior laboratory assistant

🎓 Education

Institution	Yerevan State University
Faculty	Institute of Physics
Date	2023 - 2024
Degree name	PhD student

Institution	Pan-Armenian Center of Excellence
Faculty	Quantum and Mesoscopic Physics
Date	2022 - 2024
Degree name	Masters

Institution	Yerevan State University
Faculty	Faculty of Radiophysics
Date	2019 - 2021
Degree name	Masters

Institution	Yerevan State University
Faculty	Faculty of Radiophysics
Date	2015 - 2019
Degree name	Bachelor

🌐 Language skills

Հայերեն English Русский

🗂 Work experience

Institution	Yerevan State University
Period of time	2022 till now
Rank/degree	Lecturer

Institution	A. Alikhanyan National Science Laboratory
Period of time	2021 till now
Rank/degree	Assistant

Institution	Yerevan State University
Period of time	2020 till now
Rank/degree	Assistant

⍟ State awards and honorary titles

2024 "Annual educational award for the best students in the field of IT" in the "Best PhD" category

📖 Publications

Article

Hybrid Bispectrum–Waterfall Feature Extraction with CS-DSB for RF Receiver
N.Y. Gasparyan, A.A. Hakhumian, E.R. Sivolenko

Armenian Journal of Physics 2025 43-47

Article

Analysis of Harmonic Signals in Non-Real Time of Moving Targets in Complex Environments Using Higher-Order Statistics in LabVIEW [Анализ гармонических сигналов в нереальном времени движущихся целей в сложных средах с использованием статистики более высоко
A. Hakhoumian, M. Barseghyan, N. Gasparyan, B. Hovhannisyan, E. Sivolenkoa

Известия НАН РА. Физика (Journal of Contemporary Physics (Armenian Academy of Sciences) 2024 408–412

Article

Combining Bispectral Analysis with the Levenberg–Marquardt Algorithm for Enhanced Non-linear Signal Processing in Astronomy
E. Sivolenko, N. Gasparyan, A. Aharonyan, V. Avetisyan, M. Vinnichenko

Communications of the Byurakan Astrophysical Observatory 2024 402-408

Article

15.5 MeV proton irradiation treatment of liquid phase exfoliated graphene
Narek Margaryan, Naira Gasparyan, Samvel Mayilyan, Eduard Aleksanyan, Andranik Manukyan,

Mikayel S. Torosyan
Diamond and Related Materials 2024 111224

Article

More accurate and effective monitoring of moving targets in complex environments using "spectral mask" for harmonic signatures using higher-ordered statistics
Eduard Sivolenko, Arsen Hakhoumian, Naira Gasparyan, Mane Barseghyan, Hakob Babayan

IET Conference Proceedings 2024 49-52

Article

SC-DSB signal as a probe signal for testing nonlinearity in electronic circuits
Naira Gasparyan, Arsen Hakhoumian, Eduard Sivolenko, Mane Barseghyan

IET Conference Proceedings 2024 75-78

Article

Functionalization of Graphene Oxide Layers Simultaneously with Liquid Phase Exfoliation

L. Anjo, A. Arshakyan, N. Gasparyan, A. Shahinyan, E. Aleksanyan, N. Margaryan