

Narek Yengibaryan

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Hovsep Emin street 123

WORK EXPERIENCE

Russian-Armenian University

2022 – present Junior Research Scientist.

Institute of Chemical physics after A. B. Nalbandyan NAS RA

2023 – present Senior Lab. Assistant.

EDUCATION

Russian-Armenian University

2022 – present Master degree. *Department of General Physics and Quantum Nanostructures, Russian-Armenian University*

Russian-Armenian University

2018 – present Bachelor degree. *Department of General Physics and Quantum Nanostructures, Russian-Armenian University*

HONORS AND AWARDS

2022 – Winner of the 2nd prize of the “Olympiad” competition in the framework of “Quanta” conference, Yerevan, Armenia.

2019 – Winner of the “Best Motivation letter” competition in the framework International School of Optics and Photonics, Yerevan, Armenia

PROFESSIONAL MEMBERSHIP

2023 – present President of RAU Society of Photo-Optical Instrumentation Engineers (SPIE) Student Chapter

2023 – present President of RAU European Physical Society (EPS) Young Minds student section

2022 – present Member of European Physical Society (EPS)

2020 – present member of Society of Photo-Optical Instrumentation Engineers (SPIE)

2019 – present member of Optica (formerly the Optical Society of America)

2022 – 2023 Vice-president of RAU Society of Photo-Optical Instrumentation Engineers (SPIE) Student Chapter

2021 – 2022 President of RAU Optica (formerly the Optical Society of America) Student Chapter

2020 – 2021 secretary of RAU Optica (formerly the Optical Society of America) Student Chapter

LANGUAGES

Armenian (Native), English (Fluent), Russian (Fluent), French (Beginner)

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RESEARCH AREAS

Electronic and optical properties of semiconductor low dimensional systems: one-electron, two-electron states, impurity states, exciton states, interband and intraband transitions, absorption coefficient, different shaped QDs (quantum rings, dumbbells, core/shell QDs, nanoshells, nanorods, spherical, conical, cylindrical, ellipsoidal QDs).

CONFERENCES ORGANIZING COMMITTEE MEMBERSHIP

2023 – Organizing committee member of International **NanoQIQO School on Optics and Photonics 2023** May 15 - 20, Russian-Armenian University.

2022 – Organizing committee member of International **School on Modern Applications of Optics & Photonics**, 29 August - 3 September Russian – Armenian University, Yerevan State University

2022 – Organizing committee member of a **The International School on Quantum Optics and Quantum Information**, 22-26 August, Yerevan, Armenia.

2021 – Organizing committee member of a **School on Optics and Photonics**, 1-7 December, Yerevan, Armenia.

2021 – Director of a school devoted to the **International Day of Light**, 17-21 May, Yerevan, Armenia.

CONFERENCES, SCHOOLS, AND WORKSHOPS

1. Level-up leadership: February 29 – March 3, Washington DC, USA.
2. nanoQIQO autumn school 2023: 27 – 30 November, Hamburg, Germany
3. Summer School: Exciting nanostructures: Characterizing advanced confined systems. 30 July – August 4, Bad Honnef, Germany
4. International conference **Frontiers in Optics**, 15.10.2022 - 20.10.2022, Rochester, New York, USA.
5. Optica **Student Leadership Conference**, 15.10.2022 - 20.10.2022, Rochester, New York, USA.
6. **Olympiad and scientific conference** held within the framework of the "QUANTA" program, 2022, Yerevan, Armenia.
7. International workshop **Optics & its Applications 2022** 15.01.2022 - 19.01.2022, Yerevan - Ashtarak, Armenia.
8. **The annual International Conference Laser Physics**, 21.09.2021 - 24.09.2021, Yerevan - Ashtarak, Armenia.
9. **6th International Advanced School Frontiers in Optics & Photonics (FOP-2021)**, 30.08.2021 - 11.09.2021, Yerevan - Ashtarak, Armenia.
10. The **1st Summer School of nanoQIQO**. Event by Materials Science Department of the University of Patras (Greece), 2021.
11. School dedicated to **International Day of Light**. 17.05.2021-20.05.2021.
12. Workshop **From Darkness to Brightness** devoted to the International Day of Light, 2020, Yerevan, Armenia, Online.
13. ICTP: **Winter College on Optics: Quantum Photonics and Information**, Italy, 10.02.2020-21.02.2020.
14. **Wolfram Conference**, Dilijan, Armenia, 2019.
15. Course **PolyPhotonics**, Saint Petersburg's Polytechnic University (SPbPU), 2019.
16. **International School on Optics and Photonics** Yerevan, Armenia, 01.07.2019 - 07.07.2019.