

Khachatryan Khachik

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Date of birth: 29/07/1995



Education

2022 — Degree of Doctor of Philosophy (Ph.D) in Physics

2019 — 2022, “Physics of semiconductors”, Ph.D student, Russian-Armenian University, Department of General Physics and Quantum Nanostructures

2017 — 2019, “Radio Communication Systems and Devices”, Master’s degree, Russian-Armenian University, Department of Telecommunications

2013 — 2017, Bachelor’s degree in the field of “Infocommunication Technologies and Communication Systems”, Russian-Armenian University, Department of Telecommunications

Work

2022 — Present time, Automation QA, SIEMENS

2019 — Present time, senior lecturer of the Department of General Physics and Quantum Nanostructure

Languages

Armenian (Native)

Russian (Full Professional)

English (Intermediate)

Articles and Conferences

- Khachatryan, Khachik S., David B. Hayrapetyan, Eduard M. Kazaryan, and Hayk A. Sarkisyan. "Strongly prolate conical quantum dot in an external electric field." In International Youth Conference on Electronics, Telecommunications and Information Technologies: Proceedings of the YETI 2020, St. Petersburg, Russia, pp. 185-192. Springer International Publishing, 2021.
- Khachatryan, Khachik S. "Nonlinear Optical Absorption in Strongly Prolate Conical Quantum Dot in an External Electric Field." In International Youth Conference on Electronics, Telecommunications and Information Technologies: Proceedings of the YETI 2021, St. Petersburg, Russia, pp. 369-375. Springer International Publishing, 2022.
- Khachatryan, K. S., M. A. Mkrtchyan, D. B. Hayrapetyan, E. M. Kazaryan, and H. A. Sarkisyan. "Adiabatic description of the electroabsorption in strongly prolate and oblate

conical quantum dots." *Physica E: Low-dimensional Systems and Nanostructures* 134 (2021): 114887.

- Khachatryan, K. S., and M. A. Mkrtchyan. "Quasi-conical Quantum Dot Helium." In *Optics and Its Applications: Proceedings of the 9th International Symposium OPTICS-2022*, pp. 101-111. Cham: Springer International Publishing, 2022.
- Khachatryan K. S., *Journal of Contemporary Physics (Armenian Academy of Sciences)*, 2019, vol. 54, No. 3, "Development of an Antenna Grid of a Centimetric Range in the MIMO System for Determining Coordinates of Objects"
- Winter school in Tsaghkadzor 2018, "Quantum nanostructures and its applications"
- 5th International Advanced School "Frontiers in Optics & Photonics" (2018)
- Armenian Wolfram Technology Conference in Dilijan (September 28 – 29, 2019)
- Organizer of International School on Optics and Photonics 2019
- Conference International Youth Conference on Electronics, Telecommunications and Information Technologies (YETI-2020) "Strongly prolate conical quantum dot in an external electric field"
- "PolyPhotonics" online course at Peter the Great St. Petersburg Polytechnic University (2020)
- Conference "From Darkness to Brightness" devoted to International Day of Light 2020

Additional Courses

Courses: Wolfram Laboratory (RAU) "Wolfram Language Training: New in 12"
Lecturer: Mikael Egibyan

AITC "How to write successful proposal in scientific field"
Lecturer: Aram Papoyan

Personal Qualities:

Ability to work in a team, responsibility, perseverance, stress-resistance, sociability, initiative, quick learner, result oriented

Interests:

Programming, Camping, Futsal, Video games