

SEVDA N. GARIBOVA

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WORK EXPERIENCE

Khazar University, School of Engineering and Applied Science. Lecturer of Physics, Azerbaijan, 2014 (February) - present.

Azerbaijan National Academy of Sciences, Institute of Physics, “Non-crystalline semiconductor physics and electronics” laboratory. Leading Researcher, Azerbaijan, 2005 (February) – present.

Ioffe Institute, Laboratory of “Photoelectric processes in semiconductor”. Researcher St. Petersburg, Russia, 2016 (on going) - present

State Examination Center of Azerbaijan, Exams head, Azerbaijan, 2014- 2018.
French-Azerbaijan University (UFAZ), Physics teacher, 31.01.2019-01.06.2019.

EDUCATION

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| 2023 | Postdoctoral Education, Ministry of Science and Education of the Republic of Azerbaijan, Institute of Physics. (1 st year) |
| 2004-2009 | ANAS Institute of Physics, PhD. |
| 2002-2004 | Department of Physics. Baku State University MSc. |
| 1998-2002 | Department of Physics. Baku State University BSc. |

CONFERENCES

- 12-th International conference “Electronic processes in organic and inorganic materials ” June 1-5, 2020 (Kamianets – Podilskyi, Kyiv Ukraine).
- “Amorphous and microcrystalline semiconductors”. International Conference, St. Petersburg, November 19-21, 2018, pp. 114-115.

3. XIV International Conference “Dielectrics” - 2017, May 29 – June 2, St. Petersburg 2017, pp. 335-337.
4. X International conf., «Opto-, Nanoelectronics, Nanotechnology and Microsystems», Ulyanovsk, Russia, 2008.
5. VII International conf., «Amorphous and microcrystalline semiconductor», St. Petersburg, 28 June – 1 July 2010.
6. XIII International conf., «Opto-, Nanoelectronics, Nanotechnology and Microsystems», Ulyanovsk, Russia, 2011.
7. VIII International conf., «Amorphous and microcrystalline semiconductor», St. Petersburg, Russia 2 – 5 July 2012.
8. IX International conf., «Amorphous and microcrystalline semiconductor», St. Petersburg, Russia 7 – 10 July 2014.
9. International conf., «Amorphous and microcrystalline semiconductor», St. Petersburg, Russia 4 – 7 July 2016.
10. XIV International conf., «Dielectrics- 2017», St. Petersburg, Russia 29 May – 2 June 2017.

PUBLICATIONS

1. S.N. Garibova, A.I. Isaev, S.I. Mekhtieva, S.U. Ataeva, R.I. Alekberov. The Effect of synthesis and heat treatment modes on the local structure of a $\text{Ge}_2\text{Sb}_2\text{Te}_5$ chalcogenide semiconductor. *Semiconductor*, **56**, 2022 ,p.175-179. <https://link.springer.com/article/10.1134/S1063782622020063>
2. S.N. Garibova, A.I. Isayev, S.I. Mekhtiyeva. The local structure of the chalcogenide glassy semiconductor $\text{Se}_{95}\text{As}_5$ doped with EuF_3 impurity and the mechanism of current passage through the $\text{Al-Se}_{95}\text{As}_5\langle \text{EuF}_3 \rangle\text{-Te}$ structure. ICTEA: International Conference on Thermal Engineering, [Vol. 2020 No. 1 \(2020\): ICTEA: 2020.](https://journals.library.ryerson.ca/index.php/ictea/article/view/1368)
<https://journals.library.ryerson.ca/index.php/ictea/article/view/1368>
3. S.N. Garibova, A.I. Isayev, S.I. Mekhtiyeva, S.U. Atayeva. Structure of $\text{Se}_{95}\text{As}_5$ chalcogenide glassy semiconductor doped by EuF_3 impurity. *Semiconductor*, **53**, 2019, p.1507-1510
<https://link.springer.com/article/10.1134/S1063782619110071>
4. S.U. Ataeva, S.I. Mekhtieva, A.I. Isaev, S.N. Garibova, A.S. Huseynova. Effect of the samarium impurity on the local structure of $\text{Se}_{95}\text{Te}_5$ chalcogenide glassy semiconductor and current passage through $\text{Al-Se}_{95}\text{Te}_5\text{-Te}$ structures. *Semiconductor*, **53**, 2019, p.1637-1645.
<https://link.springer.com/article/10.1134/S1063782619160048>
5. S.N. Garibova, S.I. Mekhtiyeva, A.S. Huseynova, M.A. Ramazanov. Influence of EuF_3 rare-earth impurity on the optical properties and surface morphology of $\text{Se}_{95}\text{As}_5$ chalcogenide glass-like semiconductor. *Chalcogenide Letters*, Volume 15, Number 2, February 2018, p.101-106
http://www.chalcogen.ro/101_GaribovaSN.pdf
6. S.N. Garibova, S.I. Mekhtiyeva, A.S. Huseynova, M.A. Ramazanov. Influence of EuF_3 impurity on luminescence and photoconductivity spectra

- of Se-As chalcogenide glass-like semiconductor system. *Chalcogenide Letter, Volume 14, Number 6, June 2017, page 223- 226*, http://www.chalcogen.ro/223_GaribovaS.pdf
7. S.U. Atayeva, S.I. Mehdiyeva, A.I. Isayev, S.N. Qaribova and P.B. Asilbeyli. Transfer of electric charge through Al-Se₉₅Te₅<Sm>-Te structure. *Journal of Advances in Physics*, 2015, vol.10, No.1, p. 2606-2609.
 8. A. I. Isayev, S. I. Mekhtiyeva, S. N. Garibova, V. Z. Zeynalov. Role of charged defects in the photoconductivity of Se₉₅As₅ chalcogenide glassy semiconductor with the EuF₃impurity. *Semiconductor 2014*, <https://link.springer.com/article/10.1134/S1063782614020122>
 9. A. I. Isayev, S. I. Mekhtiyeva, S. N. Garibova, V. Z. Zeynalov. Conductivity of Se₉₅As₅ chalcogenide glassy semiconductor layers containing the EuF₃ rare-earth impurity in high electric fields. *Semiconductor 2012*, <https://link.springer.com/article/10.1134/S1063782612090102>
 10. A. I. Isayev, S. I. Mekhtiyeva, S. N. Garibova. Space-charge-limited currents in an Se₉₅As₅ chalcogenide glass-like semiconductor system containing EuF₃impurities. *Semiconductor 2011*, <https://link.springer.com/article/10.1134/S1063782611120050>
 11. A. I. Isayev, S. I. Mekhtiyeva, S. N. Garibova, I. Alekperov, V. Z. Zeynalov. Study of optical parameters of the Se-As chalcogenide semiconductor system containing EuF₃ impurities. *Semiconductor 2011*, <https://link.springer.com/article/10.1134/S1063782611080100>

LANGUAGES

- Azerbaijan (native)
- Russian (fluent)
- English (fluent)
- Turkish (good)

SELECTED HONORS and AWARDS

- *Honor Diploma, bachelor and master* degrees- Baku State University, Azerbaijan
- *PhD diploma*- Azerbaijan National Academy of Science, Azerbaijan
- *Training of Joint Institute for Nuclear Research, diploma* – Moscow, Dubna, <http://www.jinr.ru/main-en/>
- *Associate Professor academic title* - Azerbaijan National Academy of Science, Azerbaijan

ACHIEVEMENTS (AWARDS)

- **Winners of the first sports festival of ANAS**, 1st place at the table tennis competition September 19 - October 7, 2016, <http://www.science.gov.az/news/open/4312>
- **Honorary Decree** - "Women in Innovation and Creativity " - State Committee for Family, Women and Children Affairs of the Republic of Azerbaijan and Copyright Agency. April 2018
- **Winners of the sports festival** - women's table tennis dedicated to the 100th anniversary of National Leader Heydar Aliyev. Institute of Physics, Baku, May 2023
- **Diploma** - Notable researcher award in 2014-2019, Khazar University 28.01.2020

GRANT ACTIVITY

- Participant of the Integrated Grant America – Azerbaijan (№ AZP1-3114-BA-08), 2009-2010
- Participant of 1st Azerbaijan-Russia International Grant Competition EIF-BGM-4-RFTF-1/2017

MEMBERSHIP

- Member of Independent Trade Union, ANAS, Azerbaijan, 2005 - present

QUALIFICATIONS

- Office Programs, Windows 2000/XP, Microsoft Office 97/2000, 2003/2007, Internet Browsers, Adobe Reader
- Matlab, Origin 6.1, Origin 7.1, Origin 8.1

RESEARCH INTEREST

- Semiconductor and Dielectrics Physics, Solid State Electronics, Radiofrequency Components, Micro- and Nanoelectronics, Telecommunication Networks and Devices, Non-crystalline Semiconductor Physics, Nanotechnology and Nanostructure.