CURRICULUM VITAE

VLADIMIR A. GEVORGYAN

Current position: - Head of the scientific laboratory "Thin-film structures and nano-composite materials", Russian-Armenian (Slavic) University, st. Hovsep Emin 123, Yerevan, 0051, Armenia

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Personal: Born in Yerevan, lives in Yerevan with his wife and two boys

Citizenship: Republic of Armenia

Education:

- MS graduated from the Physical Department of the Yerevan State University in 1971
- Post graduate studies carried out in the A.F.Ioffe Physico – Technical Institute, St.Peterburg, Russian Academy of Sciences, 1972-1976

Academic Titles:

- Dr., St.Peterburg, M.I.Kalinin Politechnical Institute, 1978
- Senior Researcher, The Highest Attestation Commission under the USSR Council of Ministers (Moscow)-1980.

Professional Position:

- Head of the scientific group of the Research Laboratory of Semiconductor Materials and Devices of Yerevan State University, 1991-2007
- Associate Professor, Department of Semiconductor Physics, Yerevan State University, 1988-2007.
- Head of Chair of "Technology of materials and structures of electronic equipment", Russian-Armenian (Slavic) University, 2007-2022.

Visiting Positions:

- Visiting research worker at the Research Institute for Technical Physics of the Hungarian Academy of Science, Budapest, 1983-1984
- Research worker at the Int. Center for Theoretical Physics, Trieste, Italy, 1991
- Guest Scientist, "All Optical Networks Inc.", San – Diego, CA, USA, 2000

Teaching experience:

- Course of lectures on "Optical Properties of Semiconductors and Optoelectronics", (Yerevan State University)
- Course of lectures on "Technology of Microelectronics", (Russian-Armenian State University)

- Course of lectures on "Modern Problems of Electronics", (Russian-Armenian State University)
- Course of lectures on "Solid State Electronics", (Russian-Armenian State University & Yerevan State University)
- Photovoltaic Solar Cells (Russian- Armenian State University)

Research Area:

- Technology of Thin Films, Physics of Semiconductor Materials and Devices
- III-V Photovoltaic, Thermo-photovoltaic and Solar cells
- III-V Infrared Photo-detectors
- Optical Gas Sensors

Languages: Russian and Armenian – fluently, English – good working knowledge.

Publications: More than 80 scientific publications and 10 Patents of USSR. Six patents put into practice and production in: Scientific Research Institute "Pulsar" (Moscow), A.F.Ioffe Physico-Technical Institute Russian Academy of Science (St.Peterburg) and Institute of Semiconductors Lithuanian Academy of Science (Vilnius). Rewarded with breastplate "USSR Inventor",
2 Patent of Russian Federation and 1 Patent of USA.

Foreign Collaboration:

- International Science and Technology Center (ISTC) Project A – 322 (2001-2004). **Title of project:** *Theoretical and Experimental Investigations of Porous and Oxide Semiconductors and Their Interfaces With Electrolyte and Gas. Development and Manufacture of Gas Sensors and High Efficient Photoconverters of Solar Energy Into Electricity or Chemical Energy Based on Such Materials.*
- ISTC Project A – 321 (2001-2004). **Title of project:** *Investigation of Optical and Photoelectrical Proporties of Semiconductor – Liquid Crystal Interface.*
- IPP–CRDF Project #ARP-2-10831-YE-04 (2005-2007), in collaboration with NREL (USA).**Title of project:** *Lattice Matched Low Band Gap III-V Ternary and Quaternary Diode Heterostructures for Termophotovoltaic (TPV) Energy Converter Application.*
- Project within the framework of the grant program of the Competitive Innovation Fund of the Ministry of Education of the Republic of Armenia (09.2013-05.2015), **Project title:** "Re-equipment of educational and research laboratory facilities in order to improve the quality of implementation of the educational program *"Electronics and Nanoelectronics"."*
- EIF project "Faculty Research" (09.2019 - 12.2019): **Project title:** *Synthesis of microporous materials based on inorganic composite compounds with different pore sizes and study of their physical characteristics.*

- Project with Philip Morris Armenia LLC. (01.2023 – 05.2023). **Project title:** *Development of technology for attaching a metal membrane to a piezoelectric element without an intermediate adhesive layer by forming it directly on piezo-ceramics.*
- Project with Philip Morris Armenia LLC. (12.2023 – 02.2024). **Project title:** *Development of a promising heater for smoking tobacco based on conductive ceramics.*