Hovhannes Tevosyan, PhD
CURRICULUM VITAE

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EDUCATION

2011-2014
Russian Armenian (Slavonic) State University, Yerevan, Armenia
Institute of Mathematics and High technologies
Department of General Physics and Quantum Nanostructures **PhD**

2009-2011
Russian Armenian (Slavonic) State University, Yerevan, Armenia
Faculty of Physics and Technologies
Department of General and Theoretical Physics **Master degree**

2005-2009
Russian Armenian (Slavonic) State University, Yerevan, Armenia
Faculty of Physics and Technologies
Department of General and Theoretical Physics **BA degree**

2000-2005
High School after Anania Shirkatsi, Yerevan, Armenia

PROFESSIONAL DEVELOPMENT

January 2016 – pres.
Chief Specialist
Department of Science and Innovations
Russian-Armenian (Slavic) University Yerevan, Armenia

December 2015 – pres.
Energy Audit
Energy Efficiency and Renewable Energy consultant
Optimum Energy LLC Yerevan, Armenia

January 2014 – pres.
Senior Lecturer
Department of General Physics and Quantum Nanostructures
Russian-Armenian (Slavic) University Yerevan, Armenia

2014-2016
Research scientist
Laboratory of Photonics
IPR NASA — Russian-Armenian (Slavic) University Ashtarak, Yerevan, Armenia

2014 – 2015
Sales Engineer
Energy Systems LLC Yerevan, Armenia

2011-2012
Russian-Armenian (Slavic) University Yerevan, Armenia

2010
IPR NASA Ashtarak, Armenia

2009
LT Pirkal Yerevan, Armenia

SCIENTIFIC DEVELOPMENT

- Reviewer in International Journal of Modern Physics B
- Hold over 12 publications, articles in the international (7), local (5) journals and conference participation (16).
- More than 8 Energy Audits, Design of Renewable energy systems in different projects.

LANGUAGE PROFICENCY

- Native: Armenian (fluent)
- Second: Russian(fluent)
- Foreign: English (good)

AWARDS

2013- "Presidential Award The Best PhD Student in IT Sphere (I Category)" provided by Synopsys Armenia and All Armenian Found

2011- "The Best Master Student" provided by Russian-Armenian (Slavonic) University

GRANTS

2016 "Young Scientist Support Program", provided by State Committee of Science. *Investigation Of Quantum Nanostructures With Non-Trivial Geometry: Electronic, Excitonic And Impurity States, Linear And Nonlinear Optical Properties In Terahertz Range*

2015 "ANSEF", provided by Found for Armenian Relief. *Cylindrical quantum dot with different confining potential: impurity states, influence of external field, electrostatic multiples*.

2012 "Postgraduate Students Support Program-2012", provided by State Committee of Science. *Influence of hydrostatic pressure on electronic states and optical properties of spherical quantum dots.*

MEMBERSHIP

2014 Vice-president of YSU and NAS Student Chapter

2012 "**SPIE**" - International Society for Optics and Photonics. ID: 3488076

SPECIALIZATION

Solid State Physics, Low Dimensional Systems and Semiconductor Nanostructures, Optical Properties of Nanostructures, Renewable Energy, Energy Efficiency, Energy Audit, Alternative Energy

KEY I.T. SKILLS

Walfram Reserch Mathematica, DiaLux, IRSoft, NI LabView, OriginePro, Prezi, MS office-Word, Excel, Access, Power Point, Outlook

CONFERENCES & SUMMER SCHOOLS

- IncoNet EaP Summer School: "Energy Efficiency. International Project Management - from Theory to Practice", Vienna, Austria, 13-18 June 2016.
- The 7th China Renewable Energy Conference and Exhibition, Wuxi, China, 5-7 November 2015.
- Middle East Electricity / Solar Middle East Conference and Exhibition, Dubai, AUE, 2 - 4 March 2015.
- SPIE Optics and Optoelectronics (OOE-2013), Prague, Czech Republic, 15-18 April 2013.
- IONS Armenia, Yerevan-Ashtarak, Armenia, 11-14 September 2013.
- 2013.Laser Physics-2013, Ashtarak, Armenia, 11-14 October, 2013.
- Commercialization of Scientific Developments, Tsaghkadzor, Armenia, 9-11 July, 2012
- International PhD students conference, Yerevan, Armenia 23-26 September 2013.
- Frontiers in Optics (FOP-2012) Yerevan-Ashtarak, Armenia 2-7 July, 2012
- Laser Physics-2012, Ashtarak, Armenia, 9-12 October, 2012.
- Lomonosov - 2012, Mosvow, Russian Federation, 9-13 April 2012.
- Laser Physics-2011, Ashtarak, Armenia, 11-14 October 2011.

PUBLICATIONS

- Optical properties of spherical quantum dot with modified Pöschl–Teller potential, DB Hayrapetyan, EM Kazaryan, HK Tevosyan, Superlattices and Microstructures 64, 204-212.
- Direct interband light absorption in the cylindrical quantum dot with modified Pöschl–Teller potential, DB Hayrapetyan, EM Kazaryan, HK Tevosyan, Physica E: Low-dimensional Systems and Nanostructures 46, 274-278.
- Impurity states in a cylindrical quantum dot with the modified Pöschl-Teller potential, DB Hayrapetyan, EM Kazaryan, HK Tevosyan, Journal of Contemporary Physics (Armenian Academy of Sciences) 49 (3), 119-122.
- Exciton states and interband absorption of cylindrical quantum dot with Morse confining potential, DB Hayrapetyan, EM Kazaryan, TV Kotanjyan, HK Tevosyan, Superlattices and Microstructures 78, 40-49.

- Direct Interband Light Absorption in a Spherical Quantum Dot with the Modified PÖSCHEL-TELLER Potential, DB HAYRAPETYAN, KG DVOYAN, EM KAZARYAN, International Journal of Modern Physics: Conference Series 15 (01), 204-210.

- Electronic states in a cylindrical quantum dot with the modified Pöschl-Teller potential in the presence of external magnetic field, DB Hayrapetyan, AS Achoyan, EM Kazaryan, HK Tevosyan, Journal of Contemporary Physics (Armenian Academy of Sciences) 48 (6), 285-290.
- Modeling of confinement potential for cylindrical quantum dot, DB Hayrapetyan, TV Kotanjyan, HK Tevosyan, Journal of Contemporary Physics (Armenian Academy of Sciences) 49 (6), 272-276.
- Light absorption of cylindrical quantum dot with Morse potential in the presence of parallel electrical and magnetic fields, DB Hayrapetyan, EM Kazaryan, TV Kotanjyan, HK Tevosyan, SPIE Microtechnologies, 951919-951919-8.
- Influence of hydrostatic pressure on electronic states and optical properties of spherical quantum dots, DB Hayrapetyan, EM Kazaryan, HK Tevosyan, SPIE Optics+ Optoelectronics, 877313-877313-7.
- Impurity states in a spherical quantum dot with a modified Pöschel-Teller potential, HK Tevosyan, Journal of Contemporary Physics (Armenian Academy of Sciences) 47 (6), 282-285.
- Electronic states and direct interband light absorption in a spherical quantum dot with modified Poschel-Teller potential, DB Hayrapetyan, HK Tevosyan, Doklady Akademii Nauk Armenii 112 (4), 389-395