CURRICULUM VITAE

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Researcher
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EDUCATION

2001-2006	Student of Kharkov National University of Radio Electronics.
2006-2007	Researcher of the department of the physical foundation of electronics engineering
2007-present	PhD student Kharkov National University of Radio Electronics. Scientific advisor- I.A. Sukhoivanov

PROFESSIONAL ACTIVITY:

Resonant cavity photodetectors, ultrashort optical connections, physics of semiconductor structures.

GRANTS AND AWARDS

Travel grant for participation in 12-th International Conference on Mathematical Methods in Electromagnetic Theory, June 29 – July 2, 2008 – Odesa, Ukraine

Grant from EPS for participation in 4th International Summer School "New Frontiers in Optical Technologies", Tampere, Finland, 13-17 August 2007.

Awarded honorable mention following the results ICYS 2000, winner MAN 2000 competition.
A lot of school-year diplomas in fields of **Physics, Mathematics, Ballroom Dances** on district, region, state levels in 1995-2000.

PUBLICATIONS

Complete publication list includes **14** scientific papers, among them:
13 conference publications.

LANGUAGES

Russian, Ukrainian, English

PERSONAL

Date of birth: 16 May 1984, not married, good health.

LIST OF PUBLICATIONS

CONFERECE PAPER

1. Safonov I.M., Gryshchenko S.V., Petrov S.I., Ovezgeldiev A.A., "LaserCAD – new educational CAD to study semiconductor lasers with quantum dimensional layers", "Education and virtual reality 2004".
2. Kovbasa A.A.,Gryshchenko S.V., "Soft based product BraggMod 2.0 for the studying propagation and reflection characteristics in the 1-D photon crystals with complicated configuration", 8-th international young scientists forum «Radioelectronics and youth in 21 century», 2004, Kharkov.
3. Golyan N.V., Gryshchenko S.V. "Ideology necessity in the informational society", 9-th international young scientists forum «Radioelectronics and youth in 21 century», 2005, Kharkov.
4. Klymenko M.V., Gryshchenko S.V., "Study of the influence of the spin-orbital interaction on gain spectre semiconductor lasers", 9-th international young scientists forum «Radioelectronics and youth in 21 century», 2005, Kharkov.
5. klymenko M.V., Gryshchenko S.V., "Study quantum efficiency of the resonant GaAs photodetector", 10-th international young scientists forum «Radioelectronics and youth in 21 century», 2006, Kharkov.
6. Gryshchenko S.V., Dyomin A.A., Lysak V.V., Sukhoivanov I.A., "Quantum efficiency of the GaAs/InGaAs resonant cavity enhanced photodetector for the ultrashort optical connection", Proceeding of the "Optics and high technology material science" conference, 2006, Kiev.
7. Gryshchenko S.V., Dyomin A.A., "Quantum image force influence on the electron transport in InGaAs heterostructure.", 11-th international young scientists forum «Radioelectronics and youth in 21 century», 2007, Kharkov.
8. S.V. Gryshchenko, A.A. Dyomin, V.V. Lysak, I.A. Sukhoivanov, "Influence of mirrors reflectivity properties on the quantum efficiency of InGaAs/GaAs resonant cavity enhanced photodetector", 6-th Belorussian-Russian workshop "Semiconductor Lasers and systems", 4-8 june 2007, Minsk, Belorussia.
9. S.V. Gryshchenko, A.A. Dyomin, V.V. Lysak, "Theoretical study of the quantum efficiency of InGaAs/GaAs resonant cavity enhanced photodetectors ", The International WORKSHOP on Optoelectronic Physics and Technology, P. 20-22, June 20-22, 2007 Kharkov, Ukraine.
10. S.V. Gryshchenko, A.A. Dyomin, V.V. Lysak, "CALCULATION THE QUANTUM EFFICIENCY SPECTRUM OF RESONANT CAVITY ENHANCED PHOTODETECTOR WITH TOP MIRROR DEFECT", Kharkiv young Scientist conference on Radiophysics and Electronics(YSC), IRE NASU, P. 93, Dec. 12-14, 2007.

11. S. V. Gryshchenko , A. A. Dyomin , V. V. Lysak , I. A. Sukhoivanov , "Effect of anomalous dispertion layer thickness on optical absorption in resonant-cavity detector", 1-

st All-Ukrainian young conference on “Low Temperature Physics”, B. Verkin Institute for Low Temperature Physics and Engineering of the National Academy of Science of Ukraine, 20-23 May 2008, Kharkov Ukraine.

12. S. V. Gryshchenko , A. A. Dyomin , V. V. Lysak , I. A. Sukhoivanov, ” Influence of anomalous dispertion layer thickness and position on optical absorption and quantum efficiency in the resonant-cavity detector”, 12-th International Conference on Mathematical Methods in Electromagnetic Theory, June 29 – July 2, 2008 – Odesa, Ukraine

13. S. V. Gryshchenko, A. A. Dyomin, V. V. Lysak, I. A. Sukhoivanov, ” Optical absorption and quantum efficiency in the resonant-cavity detector with anomalous dispersion layer”, 8th International Conference on Numerical Simulation of Optoelectronic Devices, 1 - 5 September 2008, University of Nottingham, United Kingdom.

JOURNAL PAPER

1. Грищенко С.В., Демин А.А., Лысак В.В., Петров С.И, “Квантовая эффективность резонансного InGaAs/GaAs фотодетектора для сверхкоротких оптических соединений.”// Радиофизика и Электроника, том 12, №2, 2007. с. 401-407.

SCHOOL SCIENTIFIC ACTIVITY

1.Gryshchenko S.V., “The research of the dissimination of the electromagnetic field in optical fibers”, “International conference of young scientists”, april 2000, University of Nijmegen, The Netherlands.
2. Gryshchenko S.V., “Beam energy losses in light guided layers”, 9-th Saharov readings, 1999, Sankt Piterburg.