CURRICULUM VITAE
of Tatyana Gaydamak

I. PERSONAL DATA

Family Name used in publications: GAYDAMAK
First Name: Tatyana
Languages: Ukrainian, Russian, English.
Position: Junior Research Scientist
Home Institute: B.Verkin Institute for Low Temperature Physics and Engineering National Academy of Sciences of Ukraine, 47 Nauky ave., 61103, Kharkiv, Ukraine.
phone: ++380-572-3402211
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II. ALL ACADEMIC DEGREES OBTAINED

year: 2019 - PhD - Elastic characteristics of FeSe, $SmFe_3(BO_3)_4$, $NdFe_3(BO_3)_4$ and acoustoelectric transformation in them
name of university: - .Verkin Institute for Low Temperature Physics and Engineering National Academy of Sciences of Ukraine
place, country: - Kharkiv, Ukraine
subject: - Solid State Physics

year: 2009 - Master of Science
name of university: - V. N. Karazin Kharkiv National University
place, country: - Kharkiv, Ukraine
subject: - Solid State Physics, Diploma with honour

III. ALL STAGES OF UNIVERSITY EDUCATION

year: 2008 - Bachelor of Science
name of university: - V. N. Karazin Kharkiv National University
place, country: - Kharkiv, Ukraine
subject: - Physics

year: 2009 - Master of Science
name of university: - V. N. Karazin Kharkiv National University
place, country: - Kharkiv, Ukraine
subject: - Solid State Physics, Diploma with honour

time: - Oct. 2011 – Sept. 2014 - Post-Graduate Student
name of institute: - B.Verkin Institute for Low Temperature Physics and Engineering, National Academy of Sciences of Ukraine
place, country: - Kharkiv, Ukraine
main subjects: - Solid State Physics

IV. PROFESSIONAL BACKGROUND

Sept.2004 - June. 2009 - Student, V. N. Karazin Kharkiv National University, Ukraine.
Oct. 2011 - Oct. 2014- PhD student at B.Verkin Institute for Low Temperature Physics and Engineering National Academy of Sciences of Ukraine, Kharkiv, Ukraine
Nov. 2014- up to now - Junior Researcher at B.Verkin Institute for Low Temperature Physics and Engineering National Academy of Sciences of Ukraine, Kharkiv, Ukraine

V. MEMBERSHIP IN SCIENTIFIC ASSOCIATIONS

Member of The European Physical Society (EPS), (from 2011).
Member of The Optical Society (OSA), (from 2011).
Member of The International Society for Optics and Photonics (SPIE), (from 2011).

VI. SCIENTIFIC CONFERENCE

- International Conference of Student and Young Scientists in Theoretical and Experimental Physics HEUREKA 2012-2013.
- International Conference of Young Scientists "Low Temperature Physics" 2012-2018.
- International School & Conference on Nanoscience and Quantum Transport (nanoQT-2016)
- International conference on strongly correlated electron systems (SCES – 2017)
- 6th International Symposium in Optics and its Applications, (OPTICS-2018)
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VII. EXPERIENCE AND RESEARCH INTERESTS

- Acoustic properties of solids
- Low temperature physics
- Superconductivity
- Piezomagnetism

VIII. LIST of PUBLICATIONS

Papers:

- **Acoustic characteristics of FeSe single crystals,** "Europhysics Letters", 2013, v. **101,** p. 56005-p1-56005-p5, Gaydamak T.N., Zvyagina G. A., Zhekov K.R., Bilich I.V., Fil V.D., Chareev D.A. and Vasiliev A N.
- **Piezomagnetism of FeSe single crystals,** "Europhysics Letters", 2013, v. **103**, p. 47009-p1-47009-p6, Fil V. D., Fil D. V., Gaydamak T.N., Zhekov K. R., Zvyagina G. A., Bilich I. V., Chareev D. A. and Vasiliev A. N.
- **Acoustopiezomagnetism and the elastic moduli of CoF_2**, "Low Temp. Phys." **40**, 524 (2014); Gaydamak T.N., Zvyagina G. A., Zhekov K.R., ., Bilich I.V., Desnenko V.A., Kharchenko N.F., Fil V.D.
- **Elastic and piezoelectric moduli of Nd and Sm ferroborates**, "Low Temp. Phys." **41**,(2015) published online, Gaydamak T.N., Gudim I.A., Zvyagina G.A., Bilych I.V., Burma N.G., Zhekov K.R. , Fil' V.D.

- **Magnetopiezoelectric effect and magnetocapacitance in $SmFe_3(BO_3)_4$, "**Physical Review B" **92**, 214428 (2015), Gaydamak T.N., Gudim I. A., Zvyagina G. A., Bilych I. V., Burma N. G., Zhekov K. R., and Fil V. D.
- **Magnetodielectrical and magnetopiezoelectrical effects in $NdFe_3(BO_3)_4$,** "Low Temperature Physics" **42**, 1112 (2016), Bilych I. V., Zhekov K. R., Gaydamak T.N., Gudim I. A, ., Zvyagina G. A, and V.D. Fil'