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Title: Senior Researcher, Scientific degree: PhD

Date and place of birth: 13.02.1963, Kharkov, Ukraine

Education, academic degrees and titles:

Graduated: Kharkov State University, Ukraine, 1985.

Ph.D. (Solid State Physics), Thesis "Elastic properties of ferroelastics in the vicinity of phase transitions". Institute for Low Temperature Physics and Engineering, Kharkov, Ukraine, 2004.

Senior Researcher Diploma (Solid State Physics), B.I. Verkin Institute for Low Temperature Physics & Engineering NASU, Kharkov, Ukraine, 2014

• **Institutional Affiliations:** Since 1987 has worked at ILTPE as an engineer, junior researcher, researcher (1987-2010), from 2010 – senior researcher.

Area of Expertise: Magneto elasticity; piezomagnetic and piezoelectric effects in solids, physics of magnetic phenomena; phase transitions of different nature in solids; precision measurements of the elastic modules of single crystals.

List of recent relevant publications:

1. Fil.V.D., Kolodyazhnaya, M.P., Zvyagina, G.A., Bilych,I.V., Zhekov, K.R. Phys. Rev. B, 2017, **96**, pp. 180407(R)-1-4
2. Kolodyazhnaya, M.P., Zhekov, K.R., Bilych, I.V., Zvyagina, G.A., Zvyagin, A.A. Low Temperature Physics, 2017, **43**, N11, pp. 1276-1282
3. Kolodyazhnaya, M.P., Zvyagina, G.A., Bilych, I.V., Zhekov, K.R., Kharchenko, N.F., Fil, V.D.Low Temperature Physics, 2017, **43**, N10, pp. 1240-1242
4. Kolodyazhnaya, M.P., Zvyagina, G.A., Gudim, I.A., Burma N.G, Zhekov, K.R., Fil, V.D. Low Temperature Physics , 2017, **43**, N8, pp. 924-929
5. Bilych, I.V., Zhekov, K.R., Gaydamak, T.N., Gudim, I.A., Zvyagina, G.A., Fil, V.D Low Temperature Physics, 2016, **42**, N12, pp. 1112-1119
6. Gaydamak, T. N., Gudim, I. A., Zvyagina, G. A., Bilych, I. V., Burma, N. G., Zhekov, K. R., & Fil, V. D. Low Temperature Physics, 2016, **41**, N8, pp. 614-618
7. Gaydamak, T.N., Gudim, I.A., Zvyagina, G.A., Bilych, I.V., Burma N.G., Zhekov, K.R., Fil, V.D. Physical Review B" **92**, B. 21-1 P. 214428-1-7, 2015
8. G. A. Zvyagina, Fiz. Nizk. Temp. 40, 585 (2014) [Low Temp. Phys. 40, 454, (2014)]
9. V. D. Fil, D. V. Fil, K. R. Zhekov, T. N. Gaydamak, G. A. Zvyagina, I. V. Bilich, D. A. Chareev and A. N. Vasiliev , EPL, 103, 47009 (2013)
10. G.A. Zvyagina, Zhekov K.R, Bilych I.V., Zvyagin A.A., Gudim I.A., Temerov V.L. , Eremin E.V Fiz. Nizk. Temp. 39, 1202 (2013) [Low Temp. Phys. 39, 936454 (2013)].
11. G. A. Zvyagina, Gaydamak T. N, Zhekov K.R.,, Bilich I.V., Fil V.D., Chareev D.A. and Vasiliev A N., EPL, 101, 56005 (2013)
12. G. A. Zvyagina, K. R. Zhekov, A. A. Zvyagin, I. A. Gudim, and I. V. Bilych, Fiz. Nizk. Temp. 38, 571 (2012) [Low Temp. Phys. 38, 446 (2012)].
13. G.A. Zvyagina, K.R. Zhekov, I.V. Bilych, A.A. Zvyagin, I.A. Gudim, and V.L. Temerov, Fiz. Nizk. Temp. 37, 1269 (2011) [Low Temp. Phys. 37, 1010 (2011)]
14. G. A. Zvyagina, K. R. Zhekov, A. A. Zvyagin, I. V. Bilych, L. N. Bezmaternykh, and I. A. Gudim, Fiz. Nizk. Temp. 36, 352 (2010) [Low Temp. Phys. 36, 279 (2010)]
- 15.G. A. Zvyagina, K. R. Zhekov, A. A. Zvyagin, I. V. Bilych, L. N. Bezmaternykh, and I. A. Gudim, Fiz. Nizk. Temp. 36, 376 (2010) [Low Temp. Phys. 36, 296 (2010)]
16. G. A. Zvyagina, K. R. Zhekov, L. N. Bezmaternykh, and I. A. Gudim, I. V. Bilych A. A. Zvyagin, Fiz. Nizk. Temp. 34, 1142 (2008) [Low Temp. Phys. 34, 901 (2008)]
17. B. I. Belevtsev, G. A. Zvyagina, Zhekov K. R., I. G Kolobov., E. Yu.Beliayev, A. S Panfilov N.N.Galtsov, A. I Prokhvatilov, J. Fink-Finowicki, Phys. Rev. B 74, 054427 (2006)

Number of papers published: about 50.