

CURRICULUM VITAE

Larisa Kozlova

**Affiliation and official address:**

Senior Research Scientist.

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Education (degrees, dates, universities)

Dipl. Ing.- 1 March 1977 Physics Techniques Department of Kiev Polytechnical Institute (National Technical University), Kyiv, Ukraine.

**Career/Employment (employers, positions and dates)**

Ph.D. - Institute of Metal Physics, Kyiv, Ukraine (1987).

1981-1988 – Junior Research Scientist, Institute of Metal Physics NAS of Ukraine, Kyiv.

1988-1996 – Research Scientist, Institute of Metal Physics NAS of Ukraine, Kyiv.

1996- present – Senior Research Scientist, Institute of Magnetism NAS of Ukraine, Kyiv,

2004 - present – Scientific Secretary of the Specialized Scientific Council D.26.248.01 at the Institute of Magnetism of Ph. degree and D. Sc degree certifying in speciality magnetism and theoretical physics.

**Research interests**

Ferromagnetic shape memory materials, polycrystals, single crystals, thin films, ribbons, new alloy systems, etc.

**Current research interest**

Investigation of the structural and magnetic transformations in decomposed solid solutions on Fe, Co and Cu-base.

Honours, Awards, Fellowships, Membership of Professional Societies

1992-prezent Member of Ukrainian Physical Society.

**Selected Papers**

1. L.E.Kozlova,V.V.Kokorin, V.A.Chernenko Some peculiarities of thermoelastic behaviour of Fe-Ni-Co-Ti alloys. Metal Physics and Advanced Technologies,1999,v.21,N12,p.72-75.

2. V.A.Chernenko,L.E.Kozlova,A.N.Titenko Mechanical properties of shape memory Fe-Ni-Co-Ti alloys as a function of prestrain and aging. In Proceedings of the SMST-2000 Conference,Santa Clara, California USA, April 30-May 4,2000.

3. L.E. Kozlova, V.V.Kokorin, and V.A.Chernenko The features of thermoelastic behaviour of Fe-Ni-Co-Ti alloys.// Met.Phys.Adv.Tech., 2001,Vol.19, pp.1653-1657.

4. L.E.Kozlova, A.N.Titenko, V.V.Kokorin, R.N. Kutsyi Superelasticity of aged Cu-Al-Mn alloys // The Physics of Metals and Metallography.// vol.94, No.5, 2002, pp.505-507.

5. V.V. Kokorin, L.E. Kozlova, A.N. Titenko Temperature hysteresis of martensite transformation in aging Cu-Mn-Al alloy.// Scripta Materialia, 47, 2002, 499-502.

6. V.V. Kokorin, L.E.Kozlova, A.N.Titenko Nature of thermal hysteresis of martensitic transformation in aged Cu-Mn-Al alloy J.Phys. IV France 112 (2003), pp.495-498.

7. L.E.Kozlova, V.V.Kokorin The influence of nanoparticles on the formation of the structural states of martensitic phases in Fe and Cu- based alloys// Nanosystems, nanomaterials, nanotechnologies 2004, V.2, No.2, pp.647-675.

8. Kudryavtsev Y. V., Kokorin V. V., Kozlova L. E., Iermolenko V. N., and Konoplyuk S. M. Effect of martensitic transformation on the optical spectra of Cu-Mn-Al alloy. Materials Science Forum Vols. 738-739(2013) pp 177-182.

9. Ю. В. Кудрявцев, А. О. Перекос, В. М. Єрмоленко, J. Dubowik,І. М. Главацький, Л.Е.Козлова, Ю. Б. Скирта Структура та магнітні властивості стопу Fe2MnGa, Металлофиз. новейшие технол. / Metallofiz. Noveishie Tekhnol. 2014, т. 36, № 7, сс. 951—960.

10. L.E.Kozlova,V.A. Bondarenko,V.V.Kokorin,S.M.Konoplyuk Variation of Seebeck coefficient at martensitic transformation in Cu –Mn- Al alloy Materials Letters153 (2015) 59–61.