

Affiliations

Institute for Theoretical Physics,
National Science Center – Kharkiv
Institute for Physics and Technology,
61108 Kharkiv, Ukraine

Physical Department, V. Karazin
Kharkiv National University
61077 Kharkiv, Ukraine

Personal

Birth date/place: 24.08.1939, Moscow, Russia
E-mail: Shklovskij@gmail.com
Tel: +38 057 2682026
Languages: English (spoken), Russian (native)

**Employment**

- 02.1994 – till now Prof. in chair of Low Temperature Physics, Kharkiv National University, Ukraine
- 12.1992 – till now Leading research scientist, Institute for Theoretical Physics NSC-KIPT, Ukraine
- 05.1975 – 12.1992 Senior research scientist, Institute for Theoretical Physics, KIPT, Ukraine
- 09.1972 – 05.1975 Research scientist, Institute for Theoretical Physics, KIPT, Ukraine
- 01.1967 – 09.1972 Junior research scientist, Institute for Theoretical Physics, KIPT, Ukraine

Visiting positions

- 03.2013 – 04.2013 England University of Exeter, Department of Physics,
Host: Dr. Volodymir V. Kruglyak, Funding: grant.....
- 06.2010 – 08.2010 Physikalisches Institut Goethe-University Frankfurt.
Host: Prof. Dr. Michael Huth. Funding: DFG Grant HU 752/7-1
- 06.2009 – 08.2009 Physikalisches Institut Goethe-University Frankfurt.
Host: Prof. Dr. Michael Huth. Funding: DFG Grant HU 752/6-1
- 05.2005 – 08.2005 Physikalisches Institut Goethe-University Frankfurt.
Host: Prof. Dr. Michael Huth. Funding: DFG Grant 436 UKR 17/18/05.
- 05.2004 – 08.2004 Physikalisches Institut Gutenberg University Mainz. Hosts: Prof. Dr. H. Adrian
and Prof. Dr. Michael Huth. Funding: Gutenberg University Mainz.
- 06.2003 – 07.2003 Physikalisches Institut Gutenberg University Mainz.
Host: Prof. Dr. H. Adrian. Funding: Gutenberg University Mainz.
- 06.2002 – 07.2002 Physikalisches Institut Gutenberg University Mainz. Host: Prof. Dr. H.
Adrian. Funding: NATO Collaboration Linkage Grant PST.CLG.977 590.
- 05-06, 01-02.2001 Physikalisches Institut Gutenberg University Mainz.
- 09.2000 – 10.2000 Host: Prof. Dr. H. Adrian. Funding: Gutenberg University Mainz.
- 01.2000 – 03.2000 Host: Prof. Dr. A.M. Kosevich.
Funding: Max Planck Institute for the Physics of Complex Systems in Dresden.
- 05.1999 – 07.1999 Physikalisches Institut Gutenberg University Mainz.
Host: Prof. Dr. H. Adrian. Funding: Gutenberg University Mainz.

Degree certificates

- 12.1994 Prof. in chair of Low Temperature Physics, Kharkiv National University, Ukraine
- 06.1989 Dr.Sc. in Theoretical and Mathematical Physics, B. Verkin Institute for Low
Temperature Physics and Engineering, National Academy of Sciences, Ukraine
- 06.1972 Ph.D. in Theoretical and Mathematical Physics, Donetsk State University, Ukraine
- 12.1966 M.Sc. Cum eximia laude in Theoretical Physics, Kharkiv State University, Ukraine
- 09.1961 B.Sc. in Radiophysics, Kharkiv State University, Ukraine

Current research interests

Critical currents in superconductors
Pinning and guiding of vortices
Vortices in SM bilayers
Stochastic resonance
Ratchet and Hall effects
Fluxonic applications

Scientific qualification and experience

Specialization: condensed matter theory
Magnetic phase transitions in Izing model
High temperature superconductivity
Electron-phonon kinetics in normal and superconducting metals
Theory of explosive decay of glasses

Courses taught

1994 – 2013 Pinning and Vortex Dynamics in Superconductors
1996 – 2013 Localization and Mesoscopic Phenomena in Metals at Low Temperatures
1994 – 1998 Fractals in Physics

Other

Peer reviewed papers: 90+, communications to scientific meetings: 50+
Invited talks and lectures: 20+, referee for Low Temperature Physics Journal
Memberships: Scientific Council of the O. Akhiezer Institute for Theoretical Physics, NSC-KIPT; Specialized Scientific Council of the B. I. Verkin Insitute for Low Temperature Physics and Engineering; Specialized Scientific Council of the O. Akhiezer Institute for Theoretical Physics, NSC-KIPT.
Has supervised 4 PhD students