



All my ancestors lived, loved, gave birth, worried, suffered, perished and died in order to concentrate their best genetic characteristics in me.

Properties of this natural process they couldn't understand.

I understand these natural processes, which form on the base of energy and information of structurization, and also how they transfer to descendants.

That's why I have to do everything in my power, so I can say that:

My ancestors didn't live useless lives! It is not a primitive "... tree", but a genetic tree, which everyone has to decode and understand!

Dr. Valeriy Shikhirin, Chicago, November 2011

Was born Desember 25, 1947

PROFESSIONAL EXPERIENCE

2002 – Present: "Elastoneering Inc", 1203 Pleasant Run Dr., # 110, Wheeling (Chicagoland), IL 60090, USA, Mail: info@elastoneering.com.

Self-made Man, Elastoneering Inc Founder, and President, Independent Scientist, Inventor, Engineer, Philosopher, and Predictor.

Science and Research Company Elastoneering Inc were formed to extend and advance applications of **Dr. VALERIY SHIKHIRIN TECHNOLOGIES** to any area of Mankind activity:

- *Elastic Engineering (ELASTONEERING);*
- *Torus Technologies (TORTECH);*
- *Structurization of Matter in Nature;*
- *VTortex-"Tornado" Natural Clean Free Energy Sources;*
- *Structurization Energy and Information;*
- *Color/Shikhirin Platonic Solids Structure;*
- *Shikhirin Cosmology Universe Existence by Energy and Information Structurization;*

- *Natural Physics and Mathematics;*
- *Self-support Energy and Information Systems;*
- *Toroidal, Self-Supported and Un-Supported Motions;*
- *Gravitation and Levitation Processes;*
- *Torusmetry;*
- *VTortexmetry;*
- *TorArt;*
- *Future Predictor/Prognostic;*
- *Artificial intelligence for robotic system control and artificial vision systems for visual, sound, tactile, smell etc qualify control.*

2003: Tore Technologies Center, Irkutsk State Technical University, Russia.

Co-creator

2004-2011: Annual International Scientific-Practical Conference “Tore Technologies”, Irkutsk State Technical University, Russia.

Co-creator

2009: “REORGANIZATION OF NATURAL SCIENCE AND ENERGETICS”-2009. XVIII-th International Scientific Symposium, S. Petersburg, Russia, 28-30 April 2009.

Co-creator

“Science is international, and no one should be prohibited to work, where he or she wants, on topics that he or she finds interesting”

Vladimir Vernadsky

August 30, 2001 – Immigrated to USA as an “alien of extraordinary ability” (mathematical/computer scientist),

November 6, 2008 – citizen of USA

1991 - 2001: Graderika Ltd, Zelenograd, Moscow, Russia.

Founder and President

Science and Research Company were formed to extend and advance applications of tore and elastic engineering technologies to military and civil industries.

Russia Government projects:

- **1993:** Development of the Concept and Functional Schemes of military systems by Means of Tore Technologies.
- **1995:** Development of the Concept and Functional Schemes of Transportation, Long Storage of Nuclear Submarine Reactors by Means of Tore Technologies.
- **1995:** Development of Stand Alone Heat Supplying Systems Based on Vortex Heat Generators and Pumps made of Elastic Tore Shells.

- **1995:** Estimation of Efficiency of Tore Technologies Application at Designing Tools for the Manufacturing of Highly Integrated Microelectronic devices.
- **1996:** Development and testing of the Models of Cluster Tools and Transfer Systems for Material Flows Handling by Tore Technologies Methods, etc.

Moscow Government projects:

- **1993:** Development of test procedure and testing of magneto-catalytic device for gas fuel activation etc.

1997 – 2000: Next projects were closed because of the system crisis in Russia.

1990 – 1992: Center of Venture Non-Traditional Technologies “VENT”, Moscow, USSR.

Top Engineer

Development and introduction of industrial, agricultural, medical, environmental and other torsion technologies based on a targeted influence of the torsion energy and information.

1989 – 1991: National Center of Electronics and Information Technologies, Zelenograd, Moscow, USSR.

Head of Special Design Bureau of Computer Engineering and Electronics with Experimental Laboratory.

Was appointed to supervise as part of the National Program for design of highly important computer technologies: development of systems of artificial intelligence for robotic system control and artificial vision systems for visual, sound, tactile, smell etc qualify control.

He was repeatedly selected from many of Soviet scientists to take charge of innovative technological designs and to lead development teams.

The project was closed by **1991** due to economic crisis and the collapse of the USSR.

1980 – 1989: USSR Ministry of Defense Industry, Izhevskiy Mechanical Plant, Izhevsk, USSR.

Creator and Head of Laboratory for Automation of Technological Processes and Management of Control Systems.

Was appointed to develop new mathematical algorithms for implementation of artificial intelligence concept in design and technology control systems.

Based on this technique designed artificial vision systems for visual qualify control of microelectronic equipment.

1982: Was appointed by USSR Ministries of Defense Industry (Izhevskiy Mechanical Plant) and Highest Educational Schools (Izhevskiy Institute of Mechanical Engineering) to create Scientific-research laboratory for the development of systems of artificial intelligence for robotic system control and artificial vision systems for visual qualify control of microelectronic equipment.

Creator and Head.

1985: Was appointed by USSR Ministries of Defense Industry (Izhevskiy Mechanical Plant) and Highest Educational Schools (Udmurt State University,

Izhevsk) to create Scientific-research laboratory for the development of smart inspection systems in technological processes making of microchips and printed boards.

Creator and Head.

1988: National Conference “Research and Development of Technical Diagnostic Methods in Automated Production of Microchips and Printed Boards” (Izhevsk, USSR).

Creator and Scientific Secretary.

1984 – 1989: USSR Ministry of Defense Industry, Izhevskiy Mechanical Plant, Izhevsk, USSR.

Creator and Head of Basic Char of Computer engineering (part time).

Was appointed by USSR Ministries of Defense Industry (Izhevskiy Mechanical Plant) and Highest Educational Schools (Izhevskiy Institute of Mechanical Engineering) to create Basic Char of Computer Engineering in for purposely teaching of future engineering people (**1984**).

1975 – 1980: USSR Ministry of Defense Industry, Izhevskiy Mechanical Plant, Izhevsk, USSR.

Creator and Head of Bureau of Automation of Design and Technology in Control Systems

Was appointed to develop new Automation Systems of Design and Technology processes.

1973 – 1975: Center of Space Flight Control (USSR Space Forces, Division # 34436), Yevpatoria City, Crimea, USSR

Engineer-Lieutenant colonel

Was transferred to the engineering division of Mainframe (**1973**) and the Station of Transmission and Receiving of Satellite Communication (**1974**) to implement USA-USSR “Soyuz – Apollo” Project (**July, 1975**).

VISITING SCIENTIST

1997: Hannover Messe’ 1997, Hannover, Germany.

Represented of materials on Tore Technology and demonstration of models, produced on the base of this technology.

1998: American-Russian Chamber of Commerce and Industry, Chicago, IL, USA. Represented the scale model of his innovation “Tore Vehicle” to several US corporations.

1999: Technical Center, Caterpillar Inc., Peoria, IL, USA.

Represented of materials on Tore Technology and demonstration of models, produced on the base of this technology.

2000 - Hannover Messe’ 2000, Hannover, Germany.

Represented of materials on Tore Technology and demonstration of models, produced on the base of this technology etc.

EDUCATIONAL BACKGROUND

1988: Institute of Aircraft Technology, Moscow, USSR.

Ph.D., Engineering Sciences.

Dissertation Thesis: “Research and Development of Technical Diagnostic Methods in Automated Production of Microchips and Printed Boards” (*Artificial intelligence for robotic system control and artificial vision systems*) at Izhevskiy Mechanical Plant, Izhevsk, USSR.

1966 – 1971: Institute of Mechanical Engineering, Special Mathematical Group, Izhevsk, USSR.

BA/MA, Mathematics and Engineering

Master Degree Thesis: “Development of Mathematical Methods of Moulds Distribution in the Pressurized Casting Division” at Izhevskiy Mechanical Plant, Izhevsk, USSR.

1962 – 1966: High Scholl # 30, Special Mathematical Group, Izhevsk, USSR.

Best Student

MUSICAL EDUCATION

1966 – 1971: Institute of Mechanical Engineering, Rock Band, Izhevsk, USSR.

Creator, Composer, Singer and Pianist.

1960 – 1964: Pioneer House, Bayan and Accordion Orchestra, Izhevsk, USSR.

First Bayanist

1957 – 1960: Musical School, Bayan Class, Izhevsk, USSR.

SPECIAL ACHIEVEMENTS

2000: Member, Russian Academy of Natural Science namely Vladimir Vernadsky (Geopolitics and Security).

2000: Member, Russian Union of Industrialists and Entrepreneurs.

1987: Member, Scientific Advice “Robotic Engineering and Automated Production”, Department of Mechanics and Control Processes USSR’s Academy of Science etc.

2001: Silver Medal of Russian Academy of Natural Science.

1985 – 1988:

- Gold, Silver and Bronze Medals of the Annual Exhibition of Economic Achievement USSR.
- National Diplomas (USSR, Russia) etc.

He has more than 260 publications (1971 – 2011), around 40 publications made in USA (2004-2011).

FAMILY (Members of Family Business)

Tatyana Shikhirina is wife.

He has three kids:

- Svetlana is oldest daughter, Darya and Viktoria are granddaughters,
- Son is Nikolay,
- Yekaterina is youngest daughter.