CURRICULUM VITAE

1. NAME, SURNAME	Piotr Vasiljev	
2. DATE OF BIRTH	*1944*	
3. EDUCATION, QUALIFICATION		
Institution	Professional qualification, qualification	Year
Kaunas polytechnic institute	*Radio engineer*	1968
Institution	Academic (Research) Degree	Year
Kaunas polytechnic institute	*Dr. Tech.Sci (automatic transfer lines and mechanisms).*	*1976*
Institute of resistance problems, Ukraine	*Habil.Dr.Sci.Tech. (dynamics of machines).*	*1984*
Russian academy of engineering sciences.	*The academician - Russian academy of engineering sciences.*	*1996*
4. PEDAGOGICAL (RESEARCH) TITLES		
Institution	Pedagogical Title	Year
Vilnius Pedagogical University	*Professor (technical disciplines)*	*1986*
Lithuanian state	*The winner of the Lithuanian state premium*	*1986*
Lithuanian state	*The winner of the Lithuanian science premium*	*2010*
China's Ministry of Education	*Awarded by the certificate of friendship in appreciation of his enthusiastic support for China's construction and friendly co-operation. http://ie.china-embassy.org/eng/NewsPress/t978068.htm.*	*2012*
China's state	*The Award for Outstanding Contribution Internatonal Cooperation of Jiangsu.*	2016
China's state, NUAA	*Honorary professor*	*2011*

5. FIELD, SUBFIELD AND BRANCH OF SCIENCES, RESEARCH AREAS

Field of science	Sub-field of	Branch of science	Research areas
Dynamics machines	mechatronics	*Physics of a firm body.*	*Piezomechanic, Ultrasonic technologie.*

6. MAIN WORKPLACE AND POSITION	Indicate the workplaces of the last 5 years		
	Department	Position	
Lithuanian University of Educational Sciences (LEU)	*Institute for Scientific Research*	*Chief researcher, the head of laboratory of ultrasonic mechanisms.*	*until 2018*
Vytautas Magnus University (VMU)	*Education Academy, Institute for Scientific Research*	*Chief researcher, the head of laboratory of ultrasonic mechanisms.*	*2018- up to now*
Lithuanian parliament	*Lithuanian Science Council*	*Member of the Technical Committee*	*2008 - 2010*

7. DISCIPLINES AND COURSES	Indicate the taught study disciplines and courses of the last 5 years	
Titles of disciplines or courses	Institution where discipline or course is taught	Duration
Piezomechanic	*LEU*	*until 2018*
Ultrasonic system	*LEU*	*until 2018*

8. PROFESSIONAL DEVELOPMENT, TRIPS OF PROFESSIONAL DEVELOPMENT		
Institution		Duration
Paderborn university	*Science Program DAAD, Germany*	*1996 04 01- 1996 06 31*
Korea Institute of Science and Technology (KIST)	*Seminar of Pjezotechnology*	*1995 12 – 06- 1995 12 – 18*
Nanjing University of Aeronautics and Astronautics (NUAA)	*Program named 111 to the Program of Introducing Talents of Discipline to Universities sponsored by China's Ministry of Education funded by the Chinese government.*	*2012- up to now*
Hesse Mechatronics GmbH (Lise-Meitner-Str. 5) D-33104 Paderborn, Germany	*Scientific consultant by direction: ultrasonic microchip welding*	*1996 - up to now*

9. RESEARCH ACTIVITY

Presentations at numerous conferences in various countries: Austria, China, England, Germany, Japan, Korea, Russia, Turkey, USA, Italy, France
The supervisor of studies of six (6) sciences doctors. Member of many commissions on protection for a doctor's degree and Committees on award Habil.Dr.
Scientific articles, over 150 inventions, including 40 patents, 110 USSR patents. More than 15 patents introduced into production. Reviewer of several monographs.

10. LIST OF SCIENTIFIC AND METHODOLOGICAL WORKS	Indicate the most relevant (not more than 10) published scientific (monographies, scientific articles, etc) and methodological (textbooks, methodological recommendations, or other teaching aids) works

1.Čeponis, Andrius; Mažeika, Dalius; Vasiljev, Piotr. Flat cross-shaped piezoelectric rotary motor // Applied sciences. Basel : MDPI AG. ISSN 2076-3417. eISSN 2076-3417. 2020, vol. 10, iss. 14, art. no. 5022, p. 1-14. DOI: 10.3390/app10145022. [Genamics Journal Seek; DOAJ; Scopus; AGORA; INSPEC; Chemical abstracts; Science Citation Index Expanded (Web of Science)] [Citav. rod.: 2.474, bendr. cit. rod.: 4.703 (2019, SCIE)] [Prieskyros institucijos: Vytauto Didžiojo universitetas]

2.Borodinas, Sergejus; Vasiljev, Piotr; Mažeika, Dalius; Bareikis, Regimantas; Yang, Ying. Design optimization of double ring rotary type ultrasonic motor // Sensors and actuators A: Physical. Lausanne : Elsevier B.V. ISSN 0924-4247. eISSN 0924-4247. 2019, vol. 293, p. 160-166. DOI: 10.1016/j.sna.2019.04.042. [Scopus; PASCAL/CNRS; Compendex; Chemical abstracts; Science Citation Index Expanded (Web of Science)] [Citav. rod.: 2.904, bendr. cit. rod.: 3.334 (2019, SCIE)] [Prieskyros institucijos: Vytauto Didžiojo universitetas]

3.Mažeika, Dalius; Čeponis, Andrius; Vasiljev, Piotr; Borodinas, Sergejus; Pliuskuvienė, Birutė. Saw-tooth type piezoelectric multi-modal energy harvester // Sensors and actuators A: Physical. Lausanne : Elsevier B.V. ISSN 0924-4247. 2019, vol. 288, p. 125-133. DOI: 10.1016/j.sna.2019.02.009. [Engineering Index; Scopus; PASCAL/CNRS; Cambridge Scientific Abstracts - Conference Papers Index; ScienceDirect; Compendex; Chemical abstracts; Science Citation Index Expanded (Web of Science)] [Citav. rod.: 2.904, bendr. cit. rod.: 3.334 (2019, SCIE)] [Prieskyros institucijos: Vytauto Didžiojo universitetas]

4.Mažeika, Dalius; Vasiljev, Piotr; Borodinas, Sergejus; Bareikis, Regimantas; Struckas, Arūnas; Yang, Ying. Disc type piezoelectric motor with two coaxial rotors // Sensors and actuators A: Physical. Lausanne : Elsevier. ISSN 0924-4247. eISSN 0924-4247. 2019, vol. 295, p. 151-159. DOI: 10.1016/j.sna.2019.06.002. [Scopus; Compendex; Chemical abstracts; Science Citation Index Expanded (Web of Science)] [Citav. rod.: 2.904, bendr. cit. rod.: 3.334 (2019, SCIE)] [Prieskyros institucijos: Nanjing University of Aeronautics and Astronautics; Vytauto Didžiojo universitetas]

5.Mažeika, Dalius; Vasiljev, Piotr; Borodinas, Sergejus; Bareikis, Regimantas; Yang, Ying. Small size piezoelectric impact drive actuator with rectangular bimorphs // Sensors and actuators A: Physical. Lausanne : Elsevier Science. ISSN 0924-4247. 2018, Vol. 280, p. 76-84. DOI: 10.1016/j.sna.2018.07.015. [Current Contents / Engineering, Computing & Technology; Scopus; PASCAL/CNRS; Metals Abstracts; ScienceDirect; Compendex; Chemical abstracts; Science Citation Index Expanded (Web of Science)] [Citav. rod.: 2.739, bendr. cit. rod.: 3.093 (2018, SCIE)] [Prieskyros institucijos: Lietuvos edukologijos universitetas; Nanjing University of Aeronautics and Astronautics]

6.Vasiljev, Piotr; Bareikis, Regimantas; Borodinas, Sergejus; Struckas, Arūnas; Kasperovičienė, Jūratė. Ultrasonic longitudinal-radial transducer for algae processing in oil extraction // Science of advanced materials. Valencia : American Scientific Publishers. ISSN 1947-2935. eISSN 1947-2943. 2018, Vol. 10, No. 4, p. 488-495. DOI: 10.1166/sam.2018.3049. [Scopus; Ingenta Connect; Science Citation Index Expanded (Web of Science)] [Citav. rod.: 1.158, bendr. cit. rod.: 5.326 (2018, SCIE)] [Prieskyros institucijos: Lietuvos edukologijos universitetas]

7.Struckas, Arūnas; Vasiljev, Piotr; Bareikis, Regimantas; Borodinas, Sergejus; Kasperovičienė, Jūratė. Ultrasonic zeppelin-shape transducer for algae oil extraction // Sensors and actuators A: Physical. 13th International Workshop on Piezoelectric Materials and Applications in Actuators and Energy Conversion Materials and Devices, Jeju, South Korea, August 21-24, 2016. Lausanne : Elsevier Science. ISSN 0924-4247. 2017, vol. 263, p. 754-761. DOI: 10.1016/j.sna.2017.05.037. [Current Contents; Scopus; Conference Proceedings Citation Index - Science (Web of Science); ScienceDirect; Compendex; Science Citation Index Expanded (Web of Science)] [Citav. rod.: 2.311, bendr. cit. rod.: 2.629 (2017, SCIE)] [Prieskyros institucijos: Lietuvos edukologijos universitetas]

8.Borodinas, Sergejus; Vasiljev, Piotr; Bareikis, Regimantas; Struckas, Arūnas; Kasperovičienė, Jūratė. Algae cell wall disruption by electrohydraulic shock // Journal of vibroengineering. Kaunas : Vibromechanika. ISSN 1392-8716. 2016, Vol. 18, iss. 4, p. 2508-2514. DOI: 10.21595/jve.2016.16472. [Scopus; Compendex; INSPEC; Science Citation Index Expanded (Web of Science)] [Citav. rod.: 0.398, bendr. cit. rod.: 2.527 (2016, SCIE)] [Prieskyros institucijos: Lietuvos edukologijos universitetas]

9.Vasiljev, Piotr; Mažeika, Dalius; Borodinas, Sergejus; Yang, Ying; Wang, Yin. Development of a new ultrasonic actuator based on Langevin bending transducer // Archive of applied mechanics. Special issue: Piezoelectric materials and actuators. New York : Springer Berlin Heidelberg. ISSN 0939-1533. eISSN 1432-0681. 2016, Vol. 86, iss. 10, p. 1787-1795. DOI: 10.1007/s00419-014-0976-1. [Scopus; Conference Proceedings Citation Index - Science (Web of Science); SpringerLink; INSPEC; Science Citation Index Expanded (Web of Science)] [Citav. rod.: 1.490, bendr. cit. rod.: 2.419 (2016, SCIE)] [Prieskyros institucijos: Lietuvos edukologijos universitetas]

10. Borodinas, Sergejus; Vasiljev, Piotr; Mažeika, Dalius. The optimization of a symmetrical coplanar trimorph piezoelectric actuator // Sensors and actuators. A-Physical. Selected papers from the 9th international workshop on piezoelectric materials and applications in actuators. Lausanne, Switzerland : Elsevier Science. ISSN 0924-4247. 2013, Vol. 200, p. 133-137. DOI: 10.1016/j.sna.2012.09.010. [Scopus; ScienceDirect; Science Citation Index Expanded (Web of Science)] [Citav. rod.: 1.943, bendr. cit. rod.: 1.844 (2013, SCIE)] [Prieskyros institucijos: Lietuvos edukologijos universitetas]

1. PARTICIPATION IN PROJECTS		
Duration	**Place**	**Topic and Activity**
2004-2005	VPU, Vilnius - Paderborn University, Germany	*Paderbor University, Germany, Piezoelectrcal linearmotor*
2006 -2009	VPU, Vilnius - Hesse&Knipps, Paderborn, Germany	*Hesse&Knipps, Paderborn, Germany Ultrasonicbonden „Flip Chip“*
For 1998	Vilnius - KIST, Seoul, Korea	*Agreement No. KR-2000A092 between Piotr Vasiljev and Korea Institute of Science and Technology on Joint Research Development of Piezoelectric Linear Ultrasonic Motor for Precise Positioning System(PPS)*
(2001-2002)	Vilnius - KIST, Seoul, Korea	*Contract No. KR-2001A092 between Vasiliev and Korea Institute of Science and Technology on Joint Research Development of Functional Energy Conversion Devices for Precise Positioning Control(PPC)*
(2003-2004)	Vilnius - KIST, Seoul, Korea	*Contract “Development of piezoelectric linear motor D2 and wave motor D10” between Piotr Vasiljev and Piezoelectric Technology Co.Ltd.*
(2004-2005)	Vilnius - KIST, Seoul, Korea	*Contract”Development of Ultrasonic Linear Actuator for Omni-directional Motion” between Vasiliev and Korea Institute of Science and Technology*
(2007-2008)	Vilnius - KIST, Seoul, Korea	*Research Grand for KIST“Development of piezoelectric inertial actuators for cameras”*
(2009-2010)	Vilnius - KIST, Seoul, Korea	*Research grand for KISTt“ Development of piezoelectric motor gyroscope for usn applications*
2012- 2014	Vilnius, LEU	*“Microsensors, Microprocessors and Microcontrollers for Mechatronic Systems” (Go-Smart). Program: The program for human resources. Consolidation researchers skills. Nr. VP1-3.1-ŠMM-08-K-01-015*
2011–2012	Vilnius, LEU	*"Creation of Ultrasonic Piezo-mechanic Systems for the Transportation, Separation and Dosage of Liquids". Project for Scientific groups. Nr. MIP-065/2011.*
2014–2016	Vilnius, LEU	*„The Designing and Research of Ultrasonic Reactor System for Plant Bio Cell Disruption“ Project for Scientific groups. Nr. MIP-018/2014.*
2017 - 2020	Vilnius, VDU (VMU)	*“Research and development of novel mechatronic actuators for flying micro robots” Project for Scientific groups Nr. P-MIP-17-160*

2012– *up to now*	China, NUAA	*„High property Piezoelectric Actuators for National Major Projects". 111 to the Program of Introducing Talents of Discipline to Universities sponsored by China's Ministry of Education funded by the Chinese government.*

12. KNOWLEDGE OF FOREIGN LANGUAGES	Write in the language, evaluate the level of language knowledge and mark the appropriate line: ☐ elementary– speaks and reads with dictionary; ☐ intermediate– speaks and reads without dictionary, writes personal and business letters, is able to communicate; ☐ excellent – reads and speaks fluently, fluent and efficient communication on a wide range of topics.		
	Levels		
	☐ elementary	**X intermediate**	☐ excellent
Russian			**X excellent**
Polish	**X elementary**		
Germany		**X intermediate**	
English	**X elementary**		