

## Curriculum Vitae – VALERI ZHUIKOV

1. Zhuikov Valeri (Жуйков Валерий Яковлевич)
2. 15/1, V.Vasilevskoi str., apt.28, Kyiv, 03116, Ukraine
3. Born: 1945.11.18, city of Irkutsk, Russia.
4. Position: National Technical University of Ukraine “Kiev Polytechnical Institute”, dean of Electronics Faculty, head of department of Industrial Electronics.
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### Education

6. 1962-secondary school of Magadan city.  
1962-1963 Irkutsk Polytechnical Institute.  
1963-1964 Engineering Building Institute.  
1964-1968 Kiev Polytechnical Institute. Diploma Ч № 673155  
1975 PhD МТИ № 107534.  
1980 Senior Lecturer ДЦ № 036454.  
1987 ScD ТН № 006926.  
1989 Prof. ПП № 001948.

### Work Experience

7. 1962-1963 radio technician, Irkutsk.  
1963-1968 Studying  
1968-1970 Soviet Army Service, Head reconnaissance party of military unit  
1970-1991 Kiev Polytechnical Institute: Assistant, Senior Lecturer, Professor.  
1991-1995 Director of company “Isla” Ltd.  
1995- 2003 Head of Industrial Electronics department of National Technical University of Ukraine “Kiev Polytechnical Institute”.  
2003- present Dean of Electronics Faculty, NTUU “KPI”.
8. Member of some scientific Councils, vice-head of Expert Council of Ukrainian High Certifying Commission on Electrical Engineering and power engineering, Head of Method Commission on Industrial Electronics at Ukrainian Ministry of Education and Science.
9. Scientific publications – more than 250  
Inventions – near 50,  
Scientific books – 12 (2 of them are devoted to leasing)
10. 1995-2002 – supervision of 4 Sc.D. and 5 Ph.D. defended, more than 18 papers and 4 scientific books are published.
11. 1997-2000 – Project Manager of EPSILON project (Energy Provision using Solar systems in Isolated Locations) under European Commission Directorate-General XVII Energy supervision.
12. Field of scientific interests – theory of processes’ estimation in power electronics systems. Most interesting recent scientific results are: 1) new transformation of discrete functions at finite intervals for microprocessor control systems applications; 2) new data about chaotic processes in power electronics systems.



### VALERI ZHUIKOV - some scientific publications:

1. Zhuikov V., Petergerya Yu. Use of discrete transformation at oriented basis for transferring of information during the hindrances // International Workshop on Acoustic Noise and Other Aspects of Power Electronics Compatibility PEDC-1999. – Poland. – Slubice: Technical University Press. – P.87-96.
2. Zhuikov V., Petergerya J. Intellectual systems to control energy generation and consumption in local objects // Proceeding of 2-nd Conference “Power Electronic Devices Compatibility” PEDC-2001. – Poland. – Zielona Gora: Technical University Press. – P.208-212.
3. Zhuikov V., Petergerya J., Sobolev A. Application of Geometric Approach to Analysis of Processes in Matrix Converters // Elektrotechnika Prady Niesinusoidalne. VI Szkola – Konferencja. Materialy Konferencyjne. – Zielona Gora, 2002. – P.255-260.
4. Sobolev A., Petergerya Y., Zhuikov V. Invariant System with Matrix Converter // 3<sup>rd</sup> International Workshop Compatibility in Power Electronics. Gdansk – Zielona Gora, 2003. – P.85-87
5. Zhuikov V., Petergerya Y. Ivanin O. Optimization of electrical energy consumption using fuzzy logic // 3rd International Workshop Compatibility in Power Electronics – CPE 2003, Poland.
6. V.Y. Zhuikov, T.A. Tereshchenko, V.V. Pilinskiy, Y.V. Khokhlov, J.S. Petergerya: Spread Spectrum Transmission with use of the m-Ary Modulating Code Sequences // 4-th International Workshop CPE-2005, Poland, 2005, CD-ROM, Topic 4.12
7. Valery Zhuikov, Julia Petergerya. Consumption Control at Local Objects Using Delaying m-Filters // TCSET’2006, February 28 – March 4, 2006, Lviv-Slavsko, Ukraine. – P.216-217
8. М. Рассмакин, Є.Ю. Коваленко, О.В. Будьонний, В.Я. Жуйков Система електрозабезпечення наносупутника «Kritansat -1» НТУУ «КПІ» // збірник робіт конференції "13 Ukrainian Conference of Space Research 2013", с. 128
9. Valeriy Zhuikov, Nikolay Kuznetsov. Modeling of Electrical and Vibration Signals of Transformers with Different Magnetic Properties // Proceedings of the XXXIII International Scientific Conference ELNANO 2013, Kyiv, Ukraine. p. 373-377
10. Valerii Zhuikov, Anna Kyselova Integration of context-aware control system in Microgrid // Proceedings of the XXXIII International Scientific Conference ELNANO 2013, Kyiv, Ukraine. p. 386-390
11. В.Я. Жуйков, Е.В. Вербицкий, Е.С. Осипенко Формирование синусоидального напряжения разнотипными источниками энергии // Энергосбережение энергетика энергоаудит, Специальный выпуск, Т.2., №8(114) Харьков, 2013, с. 104-106
12. В.Я. Жуйков, Н.Н. Кузнецов Использование информативных групп компенсации // Энергосбережение энергетика энергоаудит, Специальный выпуск, Т.2., №8(114) Харьков, 2013, с. 144-146
13. Жуйков В.Я., Матийко А.А. [Структура хаотических процессов в преобразователе напряжения](#) // Технічна електродинаміка – Київ, 2014, № 4, с. 67-69.
14. Жуйков В.Я. Метод принятия решений по управлению сетью с полупроводниковыми преобразователями электроэнергии/ Жуйков В.Я., Киселев Г.Д., Киселева А.Г.// Технічна електродинаміка. – 2014. – №5 – С.38-40.
15. Zhuikov V.Ja., Verbitskiy I.V., Kyselova A.G. Kotelnikov Double Series of Modulating Signals With Limited Spectrum // 2014 IEEE International Conference on Intelligent Energy and Power Systems (IEPS) Proceedings. – 2014. – pp.18-20
16. Valery Zhuikov, Kateryna Osypenko Compensator currents form determination considering wind generator aerodynamic resistance // 2014 IEEE International Conference on INTELLIGENT ENERGY AND POWER SYSTEMS (IEPS) Proceedings. Kyiv, 2014. – pp.168-170

### Монографії:

1. Блинов И.В., Денисюк С.П., Жуйков В.Я., Кириленко А.В., Киселева А.Г., Лукьяненко Л.Н., Осипенко Е.С., Павловский В.В., Парус Е.В., Сопель М.Ф., Стелюк А.О., Танкевич С.Е. Интеллектуальные электроэнергетические системы: элементы и режимы: Под общ. ред. акад. НАН Украины А.В. Кириленко / Институт электродинамики НАН Украины. – К.: Ин-т электродинамики НАН Украины, 2014. – 408с.