

Curriculum Vitae

1. Personal Data

Name: Andrey V. Kryukov

Gender Male

Address: 149-55 Tereshkova st., Irkutsk, 664039, Russia

Date of Birth: April 1, 1952

Marital Status: Is married

Health: Is healthy

2. Education

Period	Institution	Major	Degree	Professor
Sept. 1969- June 1974	East-Siberian Technological Institute	Electric power supplying of industry, agriculture and settlement	Electric engineer	
Nov. 1979- Nov. 1982	Leningrad Polytechnic Institute	Electric station, systems and networks	The candidate of engineering science	Dr. Igor Gruzdev
Nov. 1989- Nov. 1992	Saint Petersburg Polytechnic University	Electric station, systems and networks	The doctor of engineering sciences	Dr. Igor Gruzdev

3. Thesis

• Thesis for Master Degree:

Methods of definition of limit conditions and equivalent electric system for uncrushed management. – Leningrad. – 1982. – 230 c.

• Thesis for Philosophy of Doctor Degree:

Methods of definition of limit conditions and evaluation of steady-state aperiodic stability of complicated electric systems for operating management. – Irkutsk. – 1997. – 316 c.

4. Employment Experience

Period	Institution	Position	Job Description
07.1974-09.1974	East-Siberian Technological Institute	Laboratory manager	Researching
09.1974 -12.1974	Tomsk Polytechnic Institute	Probationer-researcher	Researching
12.1974 -11.1979	East-Siberian Technological Institute	Laboratory manager, Assistant professor	Researching and students' tutoring
11.1979 -12.1982	Leningrad Polytechnic Institute	Post-graduate	Researching and students' tutoring

12.1982 -11.1989	East-Siberian Technological Institute	Docent, cathedral manager	Researching and teaching students
12.1989-11.1992	Saint Petersburg State Polytechnic University	Post-post-graduate	Researching and students' tutoring
11.1992-07. 1999	East-Siberian Technological Institute	Professor, cathedral manager	Researching and students' tutoring
07. 1999 - till the present time	Irkutsk State Transport University	Professor	Researching and students' tutoring
09.2020- till the present time	Irkutsk National Research Technical University	Professor	Researching and students' tutoring

5. Major Achievement

1. Yuri Bulatov, Andrey Kryukov, Konstantin Suslov. Using Group Predictive Voltage and Frequency Regulators of Distributed Generation Plants in Cyber-Physical Power Supply Systems. *Energies* 2022, 15, 1253. <https://doi.org/10.3390/en15041253>.

2. Yu. N. Bulatov, A.V. Kryukov, K.V. Suslov. Power Supply Systems Using Synchronous and Asynchronized Generators with Predictive Controllers in the Context of Low Power Quality. 2022 International Conference on Industrial Engineering, Applications and Manufacturing (ICIEAM). doi: 978-1-6654-8369-8/\$31.00©2022 IEEE.

3. Bulatov, Y., Kryukov, A., Suslov, K. Methods for Formation and Tuning of Group Prognostic Controller of Hydrogenerators Rotors' Rotational Frequency. Proceedings of the 2021 Ural-Siberian Smart Energy Conference, USSEC 2021, 2021, pp. 100–105. Publisher: IEEE.

4. Yuri Bulatov, Andrey Kryukov, Konstantin Suslov, Pio Lombardi, Przemysław Komarnicki. A Cyber-physical Approach to Control and Management of Railway Power Supply Systems. 2022. Proceedings of the International Scientific and Practical Conference "Young Engineers of the Fuel and Energy Complex: Developing the Energy Agenda of the Future" (EAF 2021). *Advances in Engineering Research*. <https://doi.org/10.2991/aer.k.220308.019>

5. Крюков А.В., Любченко И.А. Улучшение качества электроэнергии в системах электроснабжения стационарных объектов железнодорожного транспорта // Известия высших учебных заведений. Проблемы энергетики. 2021. Т. 23. № 6. С. 53-65. doi:10.30724/1998-9903-2021-23-6-53-65.

6. Булатов Ю. Н., Крюков А. В., Черепанов А.В. Математические модели для определения предельных режимов в электрических сетях с установками распределенной генерации // Научный вестник НГТУ. Т. 80. № 4. 2020. С. 17–36.

7. Булатов Ю. Н., Крюков А. В., Шуманский Э.К. Применение асинхронизированных генераторов в электрических сетях с пониженным качеством электроэнергии // *Электричество*. № 7. 2021. С. 33–40. DOI: 10.24160/0013-5380-2021-7-33-40.

8. Булатов Ю. Н., Крюков А. В., Суслов К. В. Изолированная система электроснабжения с энергетическими роутерами и возобновляемыми источниками энергии // *Вестник ИжГТУ имени М. Т. Калашникова*. Т. 24, № 2. 2021. С. 124–134. DOI: 10.22213/2413-1172-2021-2-124-134.

9. Bulatov Y., Kryukov A., Cherepanov A. (2022) Mathematical Models for Determining Areas of Static Stability in Electrical Networks with Distributed Generation Plants. In: Beskopylny A., Shamtsyan M. (eds) XIV International Scientific Conference

“INTERAGROMASH 2021”. Lecture Notes in Networks and Systems, vol 246. Springer, Cham. https://doi.org/10.1007/978-3-030-81619-3_32

10. . Bulatov Y., Kryukov A., Cherepanov A. (2022) Mathematical Models for Determining Areas of Static Stability in Electrical Networks with Distributed Generation Plants. In: Beskopylny A., Shamtsyan M. (eds) XIV International Scientific Conference “INTERAGROMASH 2021”. Lecture Notes in Networks and Systems, vol 246. Springer, Cham. https://doi.org/10.1007/978-3-030-81619-3_32

11. Моделирование электромагнитной обстановки на объектах железнодорожного транспорта / Н.В. Буякова, В.П. Закарюкин, А. В. Крюков, А.Д. Степанов // Энергобезопасность и энергосбережение. № 3(87). 2019. С. 5-11. DOI 10.18635/2071-2219-2019-3-5-11.

12. Yu N Bulatov, A V Kryukov, Nguyen Van Huan, Tran Duy Hung. Simulation of dynamic modes of power supply systems equipped with diesel generators, at inferior power quality. Journal of Physics: Conference Series 1661 (2020) 012136 IOP Publishing. doi:10.1088/1742-6596/1661/1/012136. pp. 1- 6.

13. Булатов Ю. Н., Крюков А. В., Нгуен Ван Хуан. Моделирование газотурбинной установки с прогностическими регуляторами напряжения и скорости // Проблемы энергетики. Т. 22. № 3. 2020. С. 60-67.

6. English Ability:

I read with the dictionary.

The signature

A. Kryukov

04.04.2022