

The List of Main Publications in English

by Dr. Vladimir Gurevich

2017

I. Books

1. Gurevich V. Protection Devices and Systems for High-Voltage Applications. – Marcel Dekker, New York, 2003, 292 p.
2. Gurevich V. Electric Relays: Principles and Applications. – CRC Press (Taylor & Francis Group), Boca Raton – New York – London, 2005, 704 p.
3. Gurevich V. Electronic Devices on Discrete Components for Industrial and Power Engineering – CRC Press (Taylor & Francis Group), Boca Raton – New York – London, 2008, 420 p.
4. Gurevich V. Digital Protective Relays: Problems and Solutions. – CRC Press (Taylor & Francis Group), Boca Raton – New York – London, 2010, 390 p.
5. Gurevich V. Power Supply Devices and Systems of Relay Protection. – CRC Press (Taylor & Francis Group), Boca Raton – New York – London, 2014, 248 p.
6. Gurevich V. Cyber and Electromagnetic Threats in Modern Relay Protection. – CRC Press (Taylor & Francis Group), Boca Raton – New York – London, 2015, 205 p.
7. Gurevich V. Protection of Substation Critical Equipment Against Intentional Electromagnetic Threats. – Wiley, 2017, 228 p.

II. Articles

1. Gurevich V.I. Enhancing Reliability of Electric Power Supply of Unattended Station in Transmission System. - "Telecommunications and Radio Engineering", No. 8, vol. 44, pp. 40 – 43.
2. Gurevich V. I., Krivtsov V. V., Savchenko P.I. Interface Relays. - "Soviet Electrical Engineering", No. 6, vol. 61, pp. 122 - 127.
3. Gurevich V.I., Krivtsov V.V. HV Reed-Solid State Switches for Power Supplies of Radio-Electronic Equipment. - "Telecommunications and Radio Engineering", 1991, N 4 pp. 46 – 48.

4. Gurevich V. I. A New Generation of Universal Overcurrent Protective Relays. "Russian Electrical Engineering", 1994, No. 1, vol. 65, pp. 93 – 99.
 5. Gurevich V. I. Current-Overload Protection in High Voltage Equipment. - "Russian Electrical Engineering", 2000, N. 7, vol. 71, pp. 81 – 87.
 6. Gurevich V. The Hazards of Electromagnetic Terrorism. – "Public Utilities Fortnightly", 2005, June, pp. 84-86.
 7. Gurevich V. Electromagnetic Terrorism: New Hazards. – "Electr. Engineering and Electromechanics", 2005, N 4, p. 81 – 83.
 8. Gurevich V. Microprocessor Protection Relays: New Prospects or New Problems? - "Electr. Engineering and Electromechanics", 2006, No. 3, pp. 18 – 26.
 9. Gurevich V. Nonconformance in Electromechanical Output Relays of Microprocessor Based Protection Devices Under Actual Operation Conditions. - "Electr. Engineering and Electromechanics", 2006, No. 1, p. 12 – 16.
 10. Gurevich V. A Problem of Power Supply of Microprocessor-Based Protective Relays in Emergency Mode. - "Electricity Today. Transmission & Distribution", 2006, v. 18, No. 8, p. 32 – 35.
 11. Gurevich V. Simple Very High-Speed Overcurrent Protection Relay. - "Electr. Engineering and Electromechanics", 2007, No. 1, p. 13 – 16.
 12. Gurevich V. Dialing with Problems in Output Relays Used in Microprocessor-Based Protection Devices. - "Electricity Today. Transmission & Distribution", Part I: 2007, vol. 19, N 1, pp.44 – 50; Part II: 2007, vol. 19, No. 22 – 24.
 13. Gurevich V. Hybrid Reed-Solid-State Devices are a New Generation of Protective Relays. - "Serbian Journal of Electr. Engineering", 2007, v. 4, No. 1, p. 85 – 94.
- Gurevich V. Peculiarities of the Relays Intended for Operating Trip Coils of the High-Voltage Circuit Breakers. - "Serbian Journal of Electr. Engineering", 2007, v. 4, No. 2, pp. 223 – 237.
14. Gurevich V.I. Short Circuit Indicator for HV Cables in MV Substations. - "Energize", 2009, No. 1 (Jan/Febr), pp. 21 – 22.
 15. Gurevich V.I. Microprocessor Protection Devices - The Present and the Future - "Serbian Journal of Electr. Engineering", 2008, v. 5, No. 2, pp. 325 - 339.
 16. Gurevich V.I. Tests of Microprocessor-Based Protection Devices - "Energize", 2008, No. 5, pp. 19 – 21.
 17. Gurevich V.I. Systems for Supervision Substation Battery - "Energize", 2008, No. 8, pp. 22 – 25.

18. Gurevich V.I. Reliability of Microprocessor-Based Relay Protection Devices: Myths and Reality - "Engineer IT", Part I: 2008, N 5, p. 55 – 59; Part II: 2008, No. 7, pp. 56 – 60.
19. Gurevich V.I. Mitigating the Effect of Voltage Sags on Contactors in Industrial Plant and Substations - "Energize", 2008, No. 6, pp. 22 – 25.
20. Gurevich V.I. Short Circuit Indicator for HV Cables in MV Substations - "Energize", 2009, No. 1 (Jan/Febr), pp. 21 – 22.
21. Gurevich V.I. Basic International Standard on Electromechanical Relays (IEC 61810-1, Ed.3): Critical View - "Electrotech. Complexes and Control Systems", 2008, No. 4, pp. 8 - 11.
22. Gurevich V.I. The Secondary Power Supplies: Anatomy and Application - "Electrotech. Complexes and Control Systems", 2009, No. 3, pp. 47 – 53.
23. Gurevich V.I. Digital Rate-of-Change of Frequency Relays and Problem of It Testing. - "Electricity Today. Transmission & Distribution", vol. 21, No. 7, 2009.
24. Gurevich V.I. Reliability of the Logic Inputs of Microprocessor Based Protection Devices. - "Electrotech. Complexes and Control Systems", 2009, No. 1, pp. 20 – 23.
25. Gurevich V.I. The Solution for Output Relays of Microprocessor Based Protection Devices. - "Electrotech. Complexes and Control Systems", 2009, No. 2, pp. 38 – 42.
26. Gurevich V.I. Gurevich V. I. Reliability of Microprocessor-Based Protective Devices – Revisited. - Journal of ELECTRICAL ENGINEERING, Vol. 60, No. 5, 2009.
27. Gurevich V.I. How to Rebuild Relaying? - "Energize", 2010, No. 4, pp. 36 – 39.
28. Gurevich V.I. Sophistication of Relay Protection: Good Intentions Or the Road to Hell? - "Energize", 2010, No. 1 (Jan/Feb), p. 44 - 46.
29. Gurevich V.I. The New Way in Digital Protective Relays Designing. - "Electrotech. Complexes and Control Systems", 2010, No. 1, pp. 34 - 37.
30. Gurevich V.I. The New Concept of Digital Protective Relays Design. - "Serbian Journal of Electr. Engineering", 2010, vol. 7, No. 1, pp. 143 – 151.
31. Gurevich V.I. Intelligent Networks (Smart Grid): New Perspectives or New Problems? - "Electr. Complexes and Control Syst.", 2011, No.1 (part I), No.3(part II).
32. Gurevich V. I. Cyber Weapons Against the Power Industry. - "Energize", 2011, No. 10, pp. 40 – 42.

33. Gurevich V. I. Stability of Microprocessor Relay Protection and Automation Systems Against Intentional Destructive Electromagnetic Impacts. - *Electrical Engineering & Electromechan.*, 2011, No. 5 (P. I), No. 6 (P. II).
34. Gurevich V. I. Protection of Power Transformers Against Geomagnetically Induced Currents - "Serbian Journal of Electr. Engineering", 2011, vol. 8, No. 2, pp. 333 - 339.
35. Gurevich V. I. Technological Advantages in Relay Protection: Dangerous Tendencies. - "Electrical Engineering & Electromechan.", 2012, No. 2, pp. 33-37.
36. Gurevich V. I. A New Criterion Need to Evaluate Reliability of Digital Protective Relays. - "Journal of Electrical Engineering", 2012, vol. 63, No. 5, p. 332 - 336.
37. Gurevich V. I. Problems with Digital Protective Relays Standartization. - "Electr. Complexes and Control Syst.", 2012, No. 2, pp. 78 – 80.
38. Gurevich V. I. Electrolytic Capacitors: Design Features and Problem of Choose. - "Electrical Engineering & Electromechan.", 2012, No. 4, pp. 21- 27.
39. Gurevich V. I. The Issues of Philosophy in Relay Protection. - "Energize", No. 5, pp. 33 - 34.
40. Gurevich V. I. Reed Relays for Alternating Current. - "Electr. Complexes and Control Syst.", 2014, No.1, pp. 32 - 33.
41. Gurevich V. I. Device for Protection of Relay Protection. - "Scientific Journal of Electrical Engineering", June 2013, Vol. 3, Iss. 3, pp.52-57.
42. Gurevich V. I. RCD Nuisance Tripping: Who's Guilty and What Needs to be Done. - "Global Journal of Researches in Engineering (F): Electrical and Electronics Engineering", 2013, vol. 13, issue 11, pp. 30 - 40.
43. Gurevich V. I. Increasing Security of Remote Control of Circuit Breakers from Intentional Destructive Impacts "Scientific Journal of Electrical Engineering", 2014, Vol. 4, Iss. 1, pp. 1- 5.
44. Gurevich V. I. Susceptibility of Modern Relay Protection: Will Protection from Cyber Attacks Help? "Serbian Journal of Electr. Engineering", 2014, vol. 11, No. 2, pp. 232 – 241.
45. Gurevich V. I. Reducing the Vulnerability of Digital Protective Relays to Intentional Remote Destructive Impacts. "Global Journal of Researches in Engineering (F): Electrical and Electronics Engineering", 2013, vol. 13, issue 15, pp. 30 - 40.
46. Gurevich V. I. Reducing the Vulnerability of Digital Protective Relays to Intentional Remote Destructive Impacts: Technical-and-Economic Aspects. "Global Journal of Researches in Engineering (F): Electrical and Electronics Engineering", 2014, vol. 14, issue 1, pp. 26 - 34.

47. Gurevich V. I. Reducing the Vulnerability of Digital Protective Relays to Intentional Remote Destructive Impacts: Continuation of the Theme. - "Global Journal of Researches in Engineering (F): Electrical and Electronics Engineering", 2014, vol. 14, issue 7, pp. 21 - 26.
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49. Gurevich V. I. Problems in Testing Digital Protective Relays for Immunity to Intentional Destructive Electromagnetic Impacts. Continuation of the Theme.- "Electrical Engineering & Electromechan.", 2015, No. 6, pp. 66-69.
50. Shkolnik A., Gurevich V. Utility Reduces Risk of Explosion. - "Transmission & Distribution World", 2015, No. 2, pp. 42 - 46.
51. Gurevich V. I. Protecting power systems from destructive electromagnetic fields. - "Energize", 2015, April, pp. 36 - 37.
52. Gurevich V. I. Military and Political Aspects of One of the Problems of the Modern Power Industry. - "Electrical Engineering & Electromechan.", 2015, No. 5, c. 69-74.
52. Gurevich V. I. Technologies and Components That Protect Digital Relays from Electromagnetic Pulse. - "International Journal of Research Studies in Electrical and Electronics Engineering (IJRSEEE)", 2015, Vol. 1, Issue 1, pp. 18 - 28.
54. Gurevich V. I. Lack of a Standard for Filters protecting from Electromagnetic Pulse Makes It Dificult to Develop an Efficient Protection. - "Electr. Complexes and Control Systems", 2015, No. 4, pp. 66 - 70.
55. Gurevich V. I. Establishment of Inventory of Electronic Equipment's Replaicment Modules as a Way to Improve Survivability of the Power Systems. - "International Journal of Electrical and Computer Engineering Systems", 2015, Vol. 6, No. 2.
56. Gurevich V. I. Functional Grounding of Digital Protective Relays. - "Energize", 2015, No. 8, pp. 38 - 40.
57. Gurevich V. I. Ferrite Filters. - "Electrical Engineering & Electromechan.", 2015, No. 5, c. 69-74.
57. Gurevich V. I. Impact of Magnetohydrodynamic Effect of HEMP on Power Equipment: Problems & Solutions. - "International Journal of Applied Science and Engineering", 2016, v. 14, No. 1, pp. 49 - 58.
59. Gurevich V. I. Solar Storm: What is the Risk to Power Transformers? - "Energize", 2016, March, pp. 25 - 27.

60. Gurevich V. I. Accesible Methods Resilence of Power System Electronics to HEMP. - "International Journal of Research Studies in Electrical and Electronics Engineering" (IJRSEEE), 2016, vol. 2, issue 2, pp. 13 – 18.
61. Gurevich V. I. Main Principles of Electromagnetic Pulse Immunity Test Methods for Power System Electronics. - "International Journal of Research Studies in Electrical and Electronics Engineering (IJRSEEE)", 2016, Vol. 2, Issue 2, pp. 23 – 31.
62. Gurevich V. EMP and Its Impact on Electrical Power System: Standards and Reports. - "International Journal of Research and Innovation in Applied Science (IJRIAS)", 2016, Vol I, Issue VI, pp. 5 – 10.
63. Gurevich V. I. Technical Requirements for a HEMP Resilient Power Substation On a Project Stage. - "International Journal of Research Studies in Electrical and Electronics Engineering (IJRSEEE)", 2017, vol. 3, issue 1.
64. Gurevich V. The Issues of Electronic Equipment Grounding at the Power Facilities. - "International Journal of Research Studies in Electrical and Electronics Engineering (IJRSEEE)", 2017, vol. 3, issue 1.
65. Gurevich V. Basic HEMP Protection Means for a Power Substation: Quick Guide. - "International Journal of Electrical and Electronics Research (IJEER)", 2017, Vol. 5, Issue 2, pp. 12 - 19.
66. Gurevich V. High-Voltage Links for Transmitting Discrete Commands in Relay Protection, Automation and Control Systems. - "International Journal of Electrical and Electronics Research (IJEER)", 2017, Vol. 5, Issue 2, pp. 35 - 39.
67. Gurevich V. Grounding of Control Cable Shields: Do We Have a Solution? – “COMPUSOFT, An international journal of advanced computer technology”, 6 (5), May 2017, Vol. VI, Issue. V, pp. 2330 - 2334.
68. Gurevich V. Use of LC-filters to Protect Equipment from Electromagnetic Pulse: Is It Real Necessity or "Business as Usual". - "International Journal of Scientific Research & Engineering Trends", 2017, Vol. 3, Issue 4, pp. 85 - 89.
69. Gurevich V. Protection of Diesel Generators from an Electromagnetic Pulse (EMP). - "Global Journal of Researches in Engineering: F - Electrical and Electronics Engineering", 2017, Vol. 17, Issue 3, pp. 21-26.
70. Gurevich V. Facilities Ensuring Substation Direct Current Auxiliary Power System Survivability under Electromagnetic Pulse (HEMP). Part 1. Stationary Substations. - "International Journal of Electrical and Electronics Research (IJEER)", 2017, Vol. 5, Issue 3, pp. 6 - 12.
71. Gurevich V. Facilities Ensuring Substation Direct Current Auxiliary Power System Survivability under Electromagnetic Pulse (HEMP). Part 2. Mobile Substations. - "International Journal of Electrical and Electronics Research (IJEER)", 2017, Vol. 5, Issue 3, pp. 12 - 18.

72. Gurevich V. Improvement of Survivability of Power Plant DC Auxiliary Power System under Electromagnetic Pulse (HEMP). - "International Journal of Research Studies in Electrical and Electronics Engineering (IJRSEEE)", 2017, V. 3, Issue 2, pp. 26 - 31.

73. Gurevich V. Protection of Telecommunication Systems in Electric Power Facilities from Electromagnetic Pulse. Part 1. – International Journal of Advanced Computer Technology, 2017, No. 6 (9), Vol. VI, Issue IX, pp. 2446 – 2450.

76. Gurevich V. Review of Protection of Telecommunication Systems in Electric Power Facilities from Electromagnetic Pulse (EMP). – International Journal of Advanced Computer Technology, 2017, No. 6 (10), Vol. VI, Issue X, pp. 2455 – 2460.

77. Gurevich V. Devices for Testing Effectiveness of Electronic Equipment Protection against Electromagnetic Pulse (EMP). - "International Journal of Research Studies in Electrical and Electronics Engineering (IJRSEEE)", 2017, Vol. 3, Issue 3, pp. 6 – 14.

78. Gurevich V. Resilience of Digital Protection Relays to Electromagnetic Pulse (HEMP). – International Journal of Research and Scientific Innovation (IJRSI), 2017, Vol. IV, Issue XII, pp. 1 – 6.

III. Inventions (Patents)

1. Authors certificate **641536** USSR, HO1H83/18. Power direction relay/ P.I.Savchenko, V. I. Gurevich, 1979.

2. Autor's certificate **661502** USSR, H02J3/12. A device of automatic voltage control for two-way power supply networks / P.I.Savchenko, V.I.Gurevich, 1979.

3. Autor's certificate **737889** USSR, G01R31/08. A device for detection of single-phase short-circuits in power lines./ S.M.Rozhavsky, V.I.Gurevich, 1980.

4. Autor's certificate **801129** USSR, H01H36/00. HV reed switch / V.I.Gurevich, P.I. Savchenko, 1981.

5. Autor's certificate **836704** USSR, H01H51/28. HV vacuum relay / V.I.Gurevich, 1981.

6. Autor's certificate **877705** USSR, H02J3/26. A device for control of the five-lead electric network./ S.M.Rozhavsky, V.I. Gurevich, Y..P.Svergun, 1981.

7. Autor's certificate **892604** USSR, H02H1/08. HV semiconductor controlled rectifier /V.I.Gurevich, 1981.

8. Author's certificate **692646** USSR, H02P13/16. A device for thyristor control of a HV switch /V.I.Gurevich, 1981.

9. Author's certificate **936349** USSR, H02P13/06. A device for thyristor control with antiparallel connection of a HV switch / V.I.Gurevich, 1982.
10. Author's certificate **947772** USSR, G01R19/00. A device for measuring the gate-trigger current of thyristors /I.Gurevich, P.I.Savchenko, Y.V.Zhukovsky, 1982.
11. Author's certificate **1007143** USSR, H01H51/28. Reed relay / V.I.Gurevich, 1983.
12. Author's certificate **1045393** USSR, H03K17/22. Alternating current thyristor switch /V.I.Gurevich, 1983.
13. Author's certificate **1051510** USSR, G05F1/30. A device for alternating voltage control /V.I.Gurevich,1983.
14. Author's certificate **1083249** USSR, H01H51/28. A device for HV apparatus control /P.I.Savchenko,V.I.Gurevich, S.V.Promyshlyayev, 1984.
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17. Author's certificate **1262591** USSR, H01H51/28. HV switching device A.I.Gurevich, P.I. Savchenko, V.A.Yakovlev, 1986.
18. Author's certificate **1319109** USSR, H01H51/28. Reed relay /V.I.Gurevich, 1987.
19. Author's certificate **1352552** USSR, H01H51/28. HV switching device /V.I.Gurevich, 1987.
20. Author's certificate **1354276** USSR, H01H51/28. Current transducer /V.I.Gurevich, E.N.Pryanchikov, P.V.Gavrilov, 1987.
21. Author's certificate **1379827** USSR, H01H51/28. Reed relay /V.I.Gurevich, 1988.
22. Author's certificate **1337069** USSR, H01H71/40. Electromagnetic thermal relay with memory/ V.I.Gurevich, P.I.Savchenko, 1988.
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32. Author's certificate **1636889** USSR, H01H49/00. The method of testing of dielectric strength of electromagnetic switch / V. I. Gurevich, 1991.
33. Author's certificate **16611859** USSR, H01H9/30. High-speed switch/V.I. Gurevich, V.V. Krivtsov, P.I. Savchenko
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35. Author's certificate **1737550**, H01H51/28. HV reed switch/ V. I. Gurevich, 1992.
36. Author's certificate **1711100** USSR, G01R31/14. The Gurevich's high-voltage switch/V.I. Gurevich, 1992.
37. Author's certificate **1718129**, G01R19/00. High-voltage indicator / V.I. Gurevich, 1992.
38. Author's certificate **1773185**, G01R31/02. The Gurevich's probe / V.I.Gurevich, 1992.
39. Author's certificate 1780058, G01R31/08. Short circuit indicator / V.I.Gurevich, 1992.
40. Russian patent **2024141, H01H51/28**. The Gurevich's relay / V.I.Gurevich, 1993.
41. Russian patent **1802884, H01H51/28**. The Gurevich's high-voltage current transducer/ V.I.Gurevich, 1933.
42. Russian patent **2020682**, H02H3/08. A device for overload protection of electric installation / V.I. Gurevich, 1993.

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45. Israeli Patent **130440**. High-voltage reed switch/ V. I. Gurevich, 2005.

46. Israeli Patent **125454**. High-voltage reed switch relay/ V. I. Gurevich, 2006.