Scientific and Technical Publications of Vladimir Gurevich in the Field of High-Altitude Electromagnetic Pulse (HEMP) of Nuclear Explosion and Infrastructure Protection

Vladimir Gurevich, Ph. D., Professor Emeritus

I. BOOKS

1. Gurevich V. Cyber and Electromagnetic Threats in Modern Relay Protection. – CRC Press, 2015, 205 p.
2. Gurevich V. Protection od Substation Critical Equipment Against Intentional Electromagnetic Threats. – Wiley, 2017, 228 p.
3. Gurevich V. Protecting Electrical Equipment: Good Practices for Preventing High Altitude Electromagnetic Pulse Impacts. – De Gruyter, 2019, 386 p.
4. Gurevich V. Protecting Electrical Equipment: New Practices for Preventing High Altitude Electromagnetic Pulse Impacts. – De Gruyter, 2021, 204 p.
5. Gurevich V. Nuclear Electromagnetic Pulse: Practical Guide for Protection of Critical Infrastructure. – Lambert Academic Publisher, 2023, 462 p.
6. Gurevich V. Paradoxes of the Problem od Critical Infrastructure Protection Against EMP: The Truth is Out There. – Haifa, 2023, 70 p.

II. ARTICLES

1. Gurevich V. The Hazards of Electromagnetic Terrorism. – "Public Utilities Fortnightly", 2005, June, pp. 84-86
2. Gurevich V. I. Problems of Electromagnetic Impacts on Digital Protective Relays. - "Components and Technologies", 2010, No. 2, pp. 60-64; No. 3, pp. 91-96; No. 4, pp. 46-51 (by Russian).
3. Gurevich V. I. Stability of Microprocessor Relay Protection and Automation Systems Against Intentional Destructive Electromagnetic Impacts. – "Electrical Engineering & Electromechanics", 2011, No. 5 (P. I), No. 6 (P. II)
4. Gurevich V. I. Protection of Power Transformers Against Geomagnetically Induced Currents - "Serbian Journal of Electrical Engineering", 2011, vol. 8, No. 2, pp. 333 - 339.

5. Gurevich V. I. Increasing Security of Remote Control of Circuit Breakers from Intentional Destructive Impacts - "Scientific Journal of Electrical Engineering", 2014, Vol. 4, Issue 1, pp. 1- 5
6. 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.
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8. Gurevich V. I. Problems in Testing Digital Protective Relays for Immunity to Intentional Destructive Electromagnetic Impacts. - "Global Journal of Advanced Research", 2014, vol.1, issue 2, pp. 159 – 173
9. Gurevich V. I. Protecting power systems from destructive electromagnetic fields. - "Energize", 2015, April, pp. 36 - 37.
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12. Gurevich V. I. Lack of a Standard for Filters protecting from Electromagnetic Pulse Makes It Difficult to Develop an Efficient Protection. - "Electrotechnical Complexes and Control Systems", 2015, No. 4, pp. 66 – 70.
13. Gurevich V. I. Establishment of Inventory of Electronic Equipment's Replacement Modules as a Way to Improve Survivability of the Power Systems. - "International Journal of Electrical and Computer Engineering Systems", 2015, Vol. 6, No. 2.
14. Gurevich V. I. Functional Grounding of Digital Protective Relays: A Vital Necessity? - "Energize", 2015, No. 8, pp. 38 – 40.
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19. 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.
20. 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.

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22. 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, pp. 11 – 19.
23. 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.
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40. Gurevich V. A Complementary View of HEMP for Electrical Engineers. - "International Journal of Electrical and Electronics Research", 2018, Vol. 6, Issue 2, pp. 76 - 89.
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