

Vladimir Igorevich Gurevich

Vladimir Igorevich Gurevich (Russian: Владимир Игоревич Гуревич) is a prominent scientist, inventor and author in the field of electrical engineering with 18 books,^{[1][2]} more than 250 journal papers^[3] and over 100 patents^[4] on the topic of relays, electrical engineering, electronics, EMP Protection Problems.

V. I. Gurevich was born in Kharkiv, Ukraine, in 1956. He received an M.S.E.E. degree (1978) at the Kharkiv Petro Vasylenko National Technical University of Agriculture, and a Candidate of Sciences (Ph.D.) degree, 1986, at the National Technical University Kharkiv Polytechnic Institute. His academic and professional career includes: assistant, associate, and full (honorary) professor at the Petro Vasylenko University, as well as the chief engineer and the director of Inventor, Ltd. From 1994 to 2023 he worked as a Senior Electrical Engineering Expert by the Israel Electric Corporation. Since 2023, he has been the CEO of a private company Industrial EMP Solutions (<https://www.best-empsolutions.com>) that develops new strategy, methods and means for protecting critical civilian infrastructure against Nuclear Electromagnetic Pulse.

V. I. Gurevich is the founder of a new kind of electrical relays called gerkotrones, also known as high voltage interface relays, which are used in control and protection circuits of high voltage (10-100 kV) high power equipment. He personally developed and supervised R&D of electrical and electronic devices for many military applications and also developed and organized production of many kinds of automatic devices and systems for industrial and power applications.

A significant part of Dr. Gurevich's work is also devoted to the problem of reliability of digital protective relays. In recent years, he has published dozens of papers and 6 books, wherein he discusses protection means of the electronic equipment of power plants and substations against nuclear electromagnetic pulse.

Dr. V. Gurevich is Expert of Technical Committee SC77C (http://www.iec.ch/dyn/www/f?p=103:7:705566515012731:::FSP_ORG_ID,FSP_LANG_ID:1387,25) (High Power Transient Phenomena) with International Electrotechnical Commission - IEC (<https://www.iec.ch/homepage>) (Standardization for

Vladimir I. Gurevich



Born	1956 <u>Kharkiv, Ukraine</u>
Education	<u>Candidate of Sciences</u> , <u>Docent</u> , <u>Honorary professor</u>
Alma mater	<u>Kharkiv Petro Vasylenko National Technical University of Agriculture</u>
Known for	<u>High voltage interface relays</u>
Scientific career	
Fields	<u>Electrical Engineering</u>
Institutions	<u>Israel Electric Corporation</u> , <u>Kharkiv Petro Vasylenko National Technical University of Agriculture</u>
Website	www.gurevich-publications.com (http://www.gurevich-publications.com)

protection civilian equipment, systems and installations from High Altitude Electromagnetic Pulse - HEMP at nuclear detonations and from sources of Intentional Electromagnetic Interference - IEMI).

Dr. V. Gurevich is International Editorial Board member of scientific and technical journals:

- International Journal of Research Studies in Electrical and Electronics Engineers (<https://www.arcjournals.org/international-journal-of-research-studies-in-electrical-and-electronics-engineering/editorial-board>)
- Electrical Engineering & Electromechanics (<http://eie.khpi.edu.ua/edboard>)

Selected books

- *Protection Devices and Systems for High-Voltage Applications* (<https://www.crcpress.com/Protection-Devices-and-Systems-for-High-Voltage-Applications/Gurevich/p/book/9780824740566>), New York: Marcel Dekker, 2003, 292 p.
- *Electric Relays: Principles and Applications* (<https://www.crcpress.com/Electric-Relays-Principles-and-Applications/Gurevich/p/book/9780849341885>), New York – London – Boca Raton: CRC Press (Taylor & Francis Group), 2005, 704 p.
- *Electronic Devices on Discrete Components for Industrial and Power Engineering* (<https://www.crcpress.com/Electronic-Devices-on-Discrete-Components-for-Industrial-and-Power-Engineering/Gurevich/p/book/9781420069822>), New York – London – Boca Raton: CRC Press (Taylor & Francis Group), 2008, 420 p.
- *Digital Protective Relays: Problems and Solutions* (<https://www.crcpress.com/Digital-Protective-Relays-Problems-and-Solutions/Gurevich/p/book/9781439837856>), New York – London – Boca Raton: CRC Press (Taylor & Francis Group), 2010, 404 p.
- *Power Supply Devices and Systems of Relay Protection* (<https://www.crcpress.com/Power-Supply-Devices-and-Systems-of-Relay-Protection/Gurevich/p/book/9781466583795>), New York – London – Boca Raton: CRC Press (Taylor & Francis Group), 2013, 264 p.
- *Cyber and Electromagnetic Threats in Modern Relay Protection* (<https://www.crcpress.com/Cyber-and-Electromagnetic-Threats-in-Modern-Relay-Protection/Gurevich/p/book/9781482264319>), New York – London – Boca Raton: CRC Press (Taylor & Francis Group), 2014, 222 p.
- *Protection of Substation Critical Equipment Against Intentional Electromagnetic Threats* (<http://www.wiley.com/WileyCDA/WileyTitle/productCd-1119271436.html>) - London: Wiley, 2016, 300 p.
- *Protecting Electrical Equipment: Good Practices for Preventing High Altitude Electromagnetic Pulse Impacts* (<https://www.degruyter.com/view/product/517702?format=EPUB>) - De Gruyter, Berlin, 2019, 400 p
- *Protecting Electrical Equipment: New Practices for Preventing High Altitude Electromagnetic Pulse Impacts* - De Gruyter, Berlin, 2021, 204 p
- *Nuclear Electromagnetic Pulse: Practical Guide for Protection Critical Infrastructure* - Lambert Academic Publishing, 2023, 460 p. ISBN [978-620-5-63396-0](https://www.lambert-academic-publishing.com/978-620-5-63396-0)
- *EMP Protection of Critical Civilian Infrastructure: Problems and Solutions* - Lambert Academic Publishing, 2023, 216 p. ISBN [978-620-2-78735-2](https://www.lambert-academic-publishing.com/978-620-2-78735-2)

References

1. "Books of Vladimir Gurevich at the US Library of Congress" (<https://id.loc.gov/authorities/names/n2003005621.html>). *id.loc.gov*. Retrieved 2024-02-09.
2. "Books of Vladimir Gurevich" (http://www.goodreads.com/author/show/1635974.Vladimir_Gurevich). *Goodreads*. Retrieved 2016-12-02.

3. "Dr. Vladimir Gurevich - Google Scholar Citations" (<https://scholar.google.com/citations?user=eupb1hwAAAAJ&hl=en>). *scholar.google.com*. Retrieved 2016-12-02.
4. "Selected Patents by Vladimir Gurevich from Google Patents" (<https://patents.google.com/?inventor=%D0%92%D0%BB%D0%B0%D0%B4%D0%B8%D0%BC%D0%B8%D1%80+%D0%98%D0%B3%D0%BE%D1%80%D0%B5%D0%B2%D0%B8%D1%87+%D0%93%D1%83%D1%80%D0%B5%D0%B2%D0%B8%D1%87&assignee=Gurevich+Vladimir>). *patents.google.com*. Retrieved 2024-02-09.

External links

- [Official website \(http://www.gurevich-publications.com/\)](http://www.gurevich-publications.com/)
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