

**A simple and inexpensive instrument to record occasional voltage peaks through a long period : (operating principle, utilization, parameters)**

**Janson, Kuno; Järvik, Jaan** VII Sympozjum na temat Przepiecia w urzadzeniach elektrycznych i elektronicznych, Holny Mejera 16-19 pazdziernika 1996 r 1996 / s. 43-45: ill

**AC measurement converters : analog and digital solutions**

**Märtens, Olev** 2000 [http://www.ester.ee/record=b1707866\\*est](http://www.ester.ee/record=b1707866*est)

**Air-core sensors operation modes for partial discharge detection and on-line diagnostics in medium voltage networks**

**Kütt, Lauri; Shafiq, Muhammad; Mölder, Heigo; Järvik, Jaan; Lehtonen, Matti** Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2013 / p. 5-12 : ill

**An interleaved ZVS high step-up converter for renewable energy systems applications**

**Nouri, Tohid; Branch, Sari; Shانه, Mahdi; Benbouzid, Mohamed; Vosoughi Kurdkandi, Naser** IEEE Transactions on Industrial Electronics 2022 / p. 4786-4800 <https://doi.org/10.1109/TIE.2021.3080211> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**An SVM scheme for three-level quasi-switched boost T-type inverter with Enhanced voltage gain and capacitor voltage balance**

**Tran, Vinh-Thanh; Nguyen, Minh-Khai; Do, Duc-Tri; Vinnikov, Dmitri** IEEE transactions on power electronics 2021 / p. 11499-11508 <https://doi.org/10.1109/TPEL.2021.3071011> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Analyses of supply voltage quality, power consumption and losses affected by shunt capacitors for power factor correction**

**Vinnal, Toomas; Janson, Kuno; Kalda, Heljut; Kütt, Lauri** PQ2010 : 7th International Conference "2010 Electric Power Quality and Supply Reliability" : June 16-18, 2010, Kuressaare, Estonia 2010 / p. 53-60 : ill

**Analysis and evaluation of PWM and PSM shoot-through control methods for voltage-fed qZSI based DC/DC converters**

**Roasto, Indrek; Vinnikov, Dmitri** EPE-PEMC 2010 : 14th International Power Electronics and Motion Control Conference : 6-8 September 2010, Ohrid, Republic of Macedonia 2010 / p. T3-100 - T3-105

**Analysis of power consumption and losses in relation to supply voltage levels**

**Vinnal, Toomas; Kütt, Lauri; Kalda, Heljut** 6th International Conference "2008 Power Quality and Supply Reliability" : August 27-29, 2008 : Pärnu, Estonia : conference proceedings 2008 / p. 23-28 : ill

**Analysis of power consumption and losses in relation to supply voltage quality [Electronic resource]**

**Vinnal, Toomas; Janson, Kuno; Kalda, Heljut** EPE 2009 : 13th European Conference on Power Electronics and Applications : 8-10 September 2009, Barcelona, Spain 2009 / [9] p. : ill. [CD-ROM] <https://ieeexplore.ieee.org/document/5278764>

**Analysis of traditional and alternative methods for solving voltage problems in low voltage grids : an Estonian case study**

**Rosin, Argo; Drovtar, Imre; Mölder, Heigo; Haabel, Kaija; Astapov, Victor; Vinnal, Toomas; Korõtko, Tarmo** Energies 2022 / art. 1104 <https://doi.org/10.3390/en15031104> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Analysis of transmission network short cable line sheath bonding methods**

**Kangro, Triin; Kilter, Jako** 2018 IEEE International Conference on Environment and Electrical Engineering and 2018 IEEE Industrial and Commercial Power Systems Europe (EEEIC / I&CPS Europe), 12-15 June 2018 : conference proceedings 2018 / 6 p.: ill <https://doi.org/10.1109/EEEIC.2018.8493944>

**Analysis on faulty phase grounding in medium-voltage networks with isolated neutral**

**Kütt, Lauri; Järvik, Jaan** 8th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology. II : [Pärnu, January 11-16, 2010 : proceedings] 2010 / p. 281-284 : ill

**Application of transfer learning for instrument transformer condition monitoring**

**Asefi, Sajjad; Kilter, Jako; Akroud, Nabil; Hurtado, Aritz; Gilbert, Ian; Orue, Inaki** 2024 International Conference on Diagnostics in Electrical Engineering (Diagnostika) 2024 / 4 p <https://doi.org/10.1109/Diagnostika61830.2024.10693903>

**Assessment of synchronous generator's influence on transmission network with significant level of voltage unbalance**

**Sarnet, Tanel; Kilter, Jako** Elektronika ir elektrotehnika = Electronics and electrical engineering 2012 / p. 11-14 : ill <https://eejournal.ktu.lt/index.php/elt/article/view/2796>

**Assessment of transmission network voltage unbalance in connection of high-speed electrical railway connection**

**Kilter, Jako; Sarnet, Tanel; Kangro, Triin** PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 329-334 : ill

**Assessment of voltage instrument transformers accuracy for harmonic measurements in transmission systems [Online**

## resource]

Stiegler, Robert; Meyer, Jan; **Kilter, Jako**; Konzelmann, Simon Proceedings of 2016 17th International Conference on Harmonics and Quality of Power (ICHQP) : Belo Horizonte, Minas Gerais, Brazil, 16-19 October 2016 2016 / p. 152-157 : ill  
<https://doi.org/10.1109/ICHQP.2016.7783472>

## **Avalike elektrivõrkude pingetunnustused = Voltage characteristics of electricity supplied by public electricity networks**

2011 [https://www.ester.ee/record=b2743062\\*est](https://www.ester.ee/record=b2743062*est)

## **Avalike elektrivõrkude pingetunnustused = Voltage characteristics of electricity supplied by public electricity networks**

2023 [https://www.ester.ee/record=b5548013\\*est](https://www.ester.ee/record=b5548013*est)

## **Avalike elektrivõrkude pingetunnustused = Voltage characteristics of electricity supplied by public electricity networks**

2025 [https://www.ester.ee/record=b5736506\\*est](https://www.ester.ee/record=b5736506*est)

## **Avalike elektrivõrkude pingetunnustused = Voltage characteristics of electricity supplied by public electricity networks**

2025 [https://www.ester.ee/record=b5736507\\*est](https://www.ester.ee/record=b5736507*est)

## **Avalike elektrivõrkude pingetunnustused = Voltage characteristics of electricity supplied by public electricity networks [Võrguteavik]**

2015 [http://www.ester.ee/record=b4512339\\*est](http://www.ester.ee/record=b4512339*est)

## **Avalike elektrivõrkude pingetunnustused [Võrguteavik] = Voltage characteristics of electricity supplied by public electricity networks**

2019 [https://www.ester.ee/record=b5273602\\*est](https://www.ester.ee/record=b5273602*est)

## **Avalike elektrivõrkude pingetunnustused [Võrguteavik] = Voltage characteristics of electricity supplied by public electricity networks**

2019 [https://www.ester.ee/record=b5273643\\*est](https://www.ester.ee/record=b5273643*est)

## **Avalike elektrivõrkude pingetunnustused [Võrguteavik] = Voltage characteristics of electricity supplied by public electricity networks**

2019

## **Battery technologies in electric vehicles : improvements in electric battery packs**

**Mohseni, Parham; Husev, Oleksandr; Vinnikov, Dmitri; Strzelecki, Ryszard; Romero-Cadaval, Enrique; Tokarski, Igor** IEEE industrial electronics magazine 2023 / p. 55-65 <https://doi.org/10.1109/MIE.2023.3252265> [Journal metrics at Scopus](#) [Article at Scopus](#)  
[Journal metrics at WOS](#) [Article at WOS](#)

## **Benchmarking of power quality performance in transmission systems - CIGRE WG C4.27 perspective [Online resource]**

**Kilter, Jako**; Vujatovic, Davor; Elphick, Sean Proceedings of 2016 17th International Conference on Harmonics and Quality of Power (ICHQP) : Belo Horizonte, Minas Gerais, Brazil, 16-19 October 2016 2016 / p. 949-954 <https://doi.org/10.1109/ICHQP.2016.7783342>

## **Buck-boost resonant Z-source partial power converter**

**Abdelrahim Abdelghafour, Omar Mohamed; Chub, Andrii; Blinov, Andrei; Vinnikov, Dmitri** 3rd International Conference on Smart Grid and Renewable Energy (SGRE) 2022 / p. 1-6 <https://doi.org/10.1109/SGRE53517.2022.9774095>

## **Bulk and interface recombination in TiO<sub>2</sub>/Sb<sub>2</sub>Se<sub>3</sub> solar cells**

**Krautmann, Robert; Josepson, Raavo; Spalatu, Nicolae; Oja Acik, Ilona** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / p. 28 [Graduate School of Functional Materials and Technology \(GSFMT\) Scientific Conference 2022](#)

## **Bus bar test bench development for common 3x3 matrix converter**

Sokolovs, Alvis; **Galkin, Ilja; Laugis, Juhan** BEC 2006 : 2006 International Baltic Electronics Conference : Tallinn University of Technology, October 2-4, 2006, Tallinn, Estonia : proceedings of the 10th Biennial Baltic Electronics Conference 2006 / p. 233-236 : ill

## **Capacitor coupled voltage transformer defect identification in the presence of tap changer**

**Asefi, Sajjad; Leinakse, Madis; Kilter, Jako**; Landsberg, Mart IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT Europe 2023) : proceedings 2023 / 5 p <https://doi.org/10.1109/isgteurope56780.2023.10408138>

## **Capacitor coupled voltage transformer inaccuracy effect on circuit breaker operation**

**Asefi, Sajjad; Andreesen, Guido; Kilter, Jako**; Landsberg, Mart 2023 23rd International Scientific Conference on Electric Power

**Case studies for power quality monitoring in public distribution grids – some results of working group CIGRE/Cired C4.112**

Meyer, Jan; **Kilter, Jako** PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 85-92 : ill

**Case study of non-linear PV inverter devices attached to the LV distribution network**

**Vinnal, Toomas; Puusepp, Hardi; Shabbir, Noman; Kütt, Lauri; Iqbal, Muhammad Naveed** Agronomy research 2020 / p. 2639–2652 : ill <https://doi.org/10.15159/AR.20.233> <https://dspace.emu.ee/xmlui/handle/10492/5955> [Journal metrics at Scopus](#) [Article at Scopus](#)

**CENELEC standard pinged = CENELEC standard voltages (IEC 60038:2009, modified) 2012**

**CIGRE/Cired guidelines for power quality monitoring – measurement locations, processing and presentation of data** Milanovic, Jovica V.; **Kilter, Jako**; Bollen, M. H. J.; Meyer, Jan Electra 2014 / p. 39-47

**Coil-to-coil efficiency of ISS-compensated inductive wireless power transfer links operating with load-independent output voltage at fixed frequency**

Belenky, A.; **Chub, Andrii**; Kuperman, A. 2023 International Conference on Clean Electrical Power (ICCEP) 2023 / p. 617-621 : ill <https://doi.org/10.1109/ICCEP57914.2023.10247404>

**Common mode voltage reduction and neutral-point voltage balance for quasi-Z-source three-level neutral-point-clamped inverters**

Liu, Wenjie; Yang, Yongheng; Li, Weilin; Zhang, Xiaobin; **Husev, Oleksandr; Vinnikov, Dmitri** International Power Electronics Conference (IPEC-Himeji 2022- ECCE Asia) 2022 / p. 934-939 <https://doi.org/10.23919/IPEC-Himeji2022-ECCE53331.2022.9806905>

**Compact design of a power circuit for a dual-output voltage converter**

**Vinnikov, Dmitri; Lehtla, Tõnu** BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 333-336 : ill

**Comparative evaluation of dual-purpose converters suitable for application in dc and ac grids**

**Husev, Oleksandr; Matiushkin, Oleksandr; Jalakas, Tanel; Vinnikov, Dmitri**; Vosoughi Kurdkandi, Naser IEEE journal of emerging and selected topics in power electronics 2024 / p. 1337-1347 <https://doi.org/10.1109/JESTPE.2023.3243857>

**Comprehensive comparison of isolated high step-up dc-dc converters for low power application**

**Pourjafar, Saeed; Afshari, Hossein; Mohseni, Parham; Husev, Oleksandr; Matiushkin, Oleksandr; Shabbir, Noman** IEEE open journal of power electronics 2024 / p. 1149–1161 <https://doi.org/10.1109/OJPEL.2024.3433554>

**A comprehensive methodology for stress procedures evaluation and comparison for Burn-In of automotive SoC**

Appello, D.; Bernardi, P.; Giacomelli, G.; **Ruberg, Priit** Proceedings of the 2017 Design, Automation & Test in Europe (DATE) : 27-31 March 2017, Swisstech, Lausanne, Switzerland 2017 / p. 646-649 : ill <https://doi.org/10.23919/DATE.2017.7927068>

**Computation of characteristic coefficients of Cuk converter**

Niculescu, Elena; Cristea, Amelia-Maria BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 105-108: ill

**Contribution of nano- and microgrids to topological power plants regarding voltage and frequency control = Nano- ja mikrovõrkude mõju topoloogilistele elektriiaamadele pingele ja sageduse juhtimise kontekstis**

**Helguero Cruz, Jorge Luis** 2023 <https://doi.org/10.23658/taltech.60/2023> <https://digikogu.taltech.ee/et/item/ccf279f0-5c4e-4784-a6d7-a8c310ac489b> [https://www.ester.ee/record=b5641245\\*est](https://www.ester.ee/record=b5641245*est)

**Control of an inverted pendulum using an ionic polymer-metal composite actuator**

**Hunt, Andres**; Chen, Zheng; Tan, Xiaobo; **Kruusmaa, Maarja** IEEE/ASME Transactions in Mechatronics : 2010 IEEE/ASME International Conference on Advanced Intelligent Mechatronics : July 6-9, 2010, Montréal, Canada 2010 / p. 163-168 : ill <https://ieeexplore.ieee.org/document/5695913>

**Control of ultracapacitors energy exchange [Electronic resource]**

**Roasto, Indrek; Lehtla, Tõnu; Möller, Taavi; Rosin, Argo** EPE-PEMC 2006 : 12th International Power Electronics and Motion Control Conference : Portorož, Slovenia, August 30 - September 1, 2006 : proceedings 2006 / p. 1401-1406 : ill. [CD-ROM] <https://ieeexplore.ieee.org/document/4778599>

**Current sensing methods for portable power circuits : working out an accurate flexible integrated solution**

**Mihhailov, Juri** 2013 [https://www.ester.ee/record=b4533635\\*est](https://www.ester.ee/record=b4533635*est)

**Demand side management possibilities and viability for voltage support services in Estonia = Tarbimise juhtimise võimaluste uurimine ning rakendatavus pinge reguleerimise teenusteks Eestis**

Drovtar, Imre 2016 <http://digi.lib.ttu.ee//?6032> [https://www.ester.ee/record=b4601226\\*est](https://www.ester.ee/record=b4601226*est)

**Description of practical load harmonic current emission due to voltage harmonic variation**

Daniel, Kamran; Kütt, Lauri; Iqbal, Muhammad Naveed; Shabbir, Noman; Jarkovoi, Marek 2021 IEEE 62nd International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2021 / p. 1–6 <https://doi.org/10.1109/RTUCON53541.2021.9711594>

**Design issues of redundant protection and supervision system for the special purpose power converters [Electronic resource]**

Vinnikov, Dmitri; Roasto, Indrek; Vodovozov, Valery International Conference on Renewable Energies and Power Quality : ICREPQ'09 : Valencia, Spain, 15th to 17th April 2009 2009 / [6] p. [CD-ROM] <https://www.icrepq.com/ICREPQ%2709/356-vinnikov.pdf>

**Development of antimony sulfide thin-film solar cells for semitransparent applications**

Beglaryan, Robert; Katerski, Atanas; Oja Acik, Ilona; Krunks, Malle Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 9 l. [Graduate School of Functional Materials and Technology \(GSFMT\) Scientific Conference 2022](https://www.gsfmt.ee/abstracts/2022/)

**Development of auxiliary power supply for tram**

Vinnikov, Dmitri; Lehtla, Madis BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 389-390 : ill

**Development of national standard for voltage unit based on solid-state references = Pinge mõõtühiku riigietaloni arendamise Zener-tüüpi etalonpingeallikate baasil**

Pokatilov, Andrei; Kübarsepp, Toomas 2008 [https://www.ester.ee/record=b2425069\\*est](https://www.ester.ee/record=b2425069*est)

**Diagnostics analysis of partial discharge events of the power cables at various voltage levels using ramping behavior analysis method**

Mishra, Sambeet; Singh, Praveen Prakash; Kiitam, Ivar; Shafiq, Muhammad; Palu, Ivo; Bordin, Chiara Electric power systems research 2024 / art. 109988 <https://doi.org/10.1016/j.epsr.2023.109988>

**Digital control of PFC rectifier with combined feedforward and PI regulator**

Verbytskyi, Ievgen; Blinov, Andrei; Emiliani, Pietro; Galkin, Ilja IECON 2022 - 48th Annual Conference of the IEEE Industrial Electronics Society 2022 / p. 1-6 <https://doi.org/10.1109/IECON49645.2022.9968509> [Conference proceedings at Scopus Article at Scopus](https://www.scopus.com/conrecord/detail.uri?eid=2-s2.0-35190123401&recordId=89571123401&urlMilestone=fullRecord)

**Digital signal processor based sinusoidal PWM for voltage source inverters**

Ott, Silver; Roasto, Indrek 9th International Symposium "Topical problems in the field of electrical and power engineering". Doctoral school of energy and geotechnology. II : Pärnu, Estonia, June 14-19, 2010 2010 / p. 225-228 : ill

**Eesti ettevõtete elektritarbimise uurimine ja soovituste väljatöötamine tarbimise optimeerimiseks = Study of electric power consumption in Estonian companies and recommendations for optimization of consumption**

Vinnal, Toomas 2011

**Effects of PV microgeneration on rural LV network voltage quality - harmonics and unbalance**

Hürmeidan, Semih; Rosin, Argo; Vinnal, Toomas PQ2016 : the 10th International Conference 2016 Electric Power Quality and Supply Reliability Conference (PQ) : August 29-31, 2016, Tallinn, Estonia : proceedings 2016 / p. 97-100 : ill <https://doi.org/10.1109/PQ.2016.7724096>

**Effects of PV microgeneration on rural LV network voltage quality [Online resource]**

Hürmeidan, Semih; Rosin, Argo; Vinnal, Toomas; Jagomägi, Andri 2016 57th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : October 13, 14, 2016 : conference proceedings 2016 / [4] p. : ill <https://doi.org/10.1109/RTUCON.2016.7763083>

**Effects of voltage transients on the DC droop control in residential nanogrids**

Roasto, Indrek; Blinov, Andrei; Vinnikov, Dmitri; Jalakas, Tanel 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 5 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227464>

**Electric vehicle charger load current harmonics variations due to supply voltage level differences - case examples**

Kütt, Lauri; Saarijärvi, Eero; Lehtonen, Matti; Mölder, Heigo; Niitsoo, Jaan 2014 International Symposium on Power Electronics, Electrical Drives, Automation and Motion (SPEEDAM) : 18-20 June, 2014, Ischia, Italy : proceedings 2014 / p. 917-922 : ill

**An electrolytic capacitor-less multiple-output LED driver with a universal input voltage**

Awad, Khaled; Abdelrahim Abdelghafour, Omar Mohamed; Gaafar, Mahmoud A.; Orabi, Mohamed; Chub, Andrii; Blinov, Andrei; Vinnikov, Dmitri 2022 IEEE 7th International Energy Conference (ENERGYCON) 2022 / 6 l.

**Electromechanical voltage converters in electric transport of Estonia**

**Boiko, Vitali** Actual Problems of Electrical Drives and Industry Automation : the 3rd Research Symposium of Young Scientists : Tallinn, Estonia, May 19-26, 2001 2001 / p. 74-75

**Elekter võib olla tappev**

**Mars, Mario** Minu Maailm 2016 / lk. 31 : ill [http://www.ester.ee/record=b3033179\\*est](http://www.ester.ee/record=b3033179*est)

**Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V : kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 3, Rikkesilmuse näivtakistus = Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. : equipment for testing, measuring or monitoring of protective measures. Part 3, Loop impedance (IEC 61557-3:2019)**

2022 [https://www.ester.ee/record=b5509793\\*est](https://www.ester.ee/record=b5509793*est)

**Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V : kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 7, Faasijärjestus = Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. : equipment for testing, measuring or monitoring of protective measures. Part 7, Phase sequence (IEC 61557-7:2019)**

2022 [https://www.ester.ee/record=b5509797\\*est](https://www.ester.ee/record=b5509797*est)

**Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V : kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 7, Faasijärjestus = Electrical safety in low voltage distribution systems up to 1000 V AC and 1500 V DC : equipment for testing, measuring or monitoring of protective measures. Part 7, Phase sequence (IEC 61557-7:2019/AMD1:2023)**

2023 [https://www.ester.ee/record=b5652663\\*est](https://www.ester.ee/record=b5652663*est)

**Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V : kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 7, Faasijärjestus = Electrical safety in low voltage distribution systems up to 1000 V AC and 1500 V DC : equipment for testing, measuring or monitoring of protective measures. Part 7, Phase sequence (IEC 61557-7:2019+IEC 61557-7:2019/AMD1:2023)**

2023 [https://www.ester.ee/record=b5651790\\*est](https://www.ester.ee/record=b5651790*est)

**Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 10, Kombineeritud mõõteseadmed kaitseviiside katsetamiseks, mõõtmiseks ja seireks = Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. Equipment for testing, measuring or monitoring of protective measures. Part 10, Combined measuring equipment for testing, measuring or monitoring of protective measures (IEC 61557-10:2000)**

2010 [https://www.ester.ee/record=b2630134\\*est](https://www.ester.ee/record=b2630134*est)

**Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V [Võrguteavik] : kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 1, Üldnõuded = Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. : equipment for testing, measuring or monitoring of protective measures. Part 1, General requirements (IEC 61557-1:2019)**

2021 [https://www.ester.ee/record=b5479190\\*est](https://www.ester.ee/record=b5479190*est)

**Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V [Võrguteavik] : kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 2, Isolatsioonitakistus = Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. : equipment for testing, measuring or monitoring of protective measures. Part 2, Insulation resistance (IEC 61557-2:2019)**

2021 [https://www.ester.ee/record=b5479192\\*est](https://www.ester.ee/record=b5479192*est)

**Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V [Võrguteavik] : kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 4, Maandusjuhtide ja potentsiaaliühthlustusjuhtide takistus = Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. : equipment for testing, measuring or monitoring of protective measures. Part 4, Resistance of earth connection and equipotential bonding (IEC 61557-4:2019)**

2021 [https://www.ester.ee/record=b5479193\\*est](https://www.ester.ee/record=b5479193*est)

**Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V [Võrguteavik] : kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 5, Maandustakistus = Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. : equipment for testing, measuring or monitoring of protective measures. Part 5, Resistance of earth (IEC 61557-5:2019)**

2021 [https://www.ester.ee/record=b5479568\\*est](https://www.ester.ee/record=b5479568*est)

**Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V [Võrguteavik] :**

kaitsesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 6, Rikkevoolukaitseseaparaatide tõhusus TT-, TN- ja IT-süsteemides = Electrical safety in low voltage distribution systems up to 1000 V a.c. and 1500 V d.c. : equipment for testing, measuring or monitoring of protective measures. Part 6, Effectiveness of residual current devices (RCD) in TT, TN and IT systems (IEC 61557-6:2019)

2021 [https://www.ester.ee/record=b5479599\\*est](https://www.ester.ee/record=b5479599*est)

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed

Risthein, Endel 2010 [https://www.ester.ee/record=b2594967\\*est](https://www.ester.ee/record=b2594967*est)

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed

Risthein, Endel 2010 [https://www.ester.ee/record=b2594972\\*est](https://www.ester.ee/record=b2594972*est)

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed

Risthein, Endel 2009 [https://www.ester.ee/record=b2462024\\*est](https://www.ester.ee/record=b2462024*est)

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed

Risthein, Endel 2009 [https://www.ester.ee/record=b2462027\\*est](https://www.ester.ee/record=b2462027*est)

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed

Risthein, Endel 2009 [https://www.ester.ee/record=b2462029\\*est](https://www.ester.ee/record=b2462029*est)

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed

Risthein, Endel 2009 [https://www.ester.ee/record=b2462036\\*est](https://www.ester.ee/record=b2462036*est)

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed

Risthein, Endel 2009 [https://www.ester.ee/record=b2462030\\*est](https://www.ester.ee/record=b2462030*est)

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed

Risthein, Endel 2009 [https://www.ester.ee/record=b2462031\\*est](https://www.ester.ee/record=b2462031*est)

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed

Risthein, Endel 2009 [https://www.ester.ee/record=b2478889\\*est](https://www.ester.ee/record=b2478889*est)

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed

Risthein, Endel 2009 [https://www.ester.ee/record=b2478886\\*est](https://www.ester.ee/record=b2478886*est)

Elektriohutus madalpingevõrkudes vahelduvpingega kuni 1000 V ja alalispingega kuni 1500 V. Kaitsesüsteemide katsetus-, mõõte- ja seireseadmed

Risthein, Endel 2009 [https://www.ester.ee/record=b2478887\\*est](https://www.ester.ee/record=b2478887*est)

Elektrivarustuse tulevikuvisionid

Lehtla, Tõnu; Vinnal, Toomas 2015 [http://www.ester.ee/record=b4511325\\*est](http://www.ester.ee/record=b4511325*est)

Elektrivarustuse tulevikuvisionid : [kõrgkooliõpik]

Lehtla, Tõnu; Vinnal, Toomas 2016 [http://www.ester.ee/record=b4571559\\*est](http://www.ester.ee/record=b4571559*est)

Elektriõhuliinid vahelduvpingega üle 1 kV kuni 45 kV

Raesar, Peeter; Metusala, Tiit 2008 [https://www.ester.ee/record=b2379547\\*est](https://www.ester.ee/record=b2379547*est)

Elektriõhuliinid vahelduvpingega üle 1 kV. Osa 2-20, Eesti riiklikud erinõuded (SEN) [Võrguteavik] = Overhead electrical lines exceeding AC 1 kV. Part 2-20, National Normative Aspects (NNA) for Estonia (based on EN 50341-1:2012)

2015 [http://www.ester.ee/record=b4469147\\*est](http://www.ester.ee/record=b4469147*est)

Elektriõhuliinid vahelduvpingega üle 1 kV. Osa 2-20, Eesti riiklikud erinõuded (SEN) [Võrguteavik] = Overhead electrical lines exceeding AC 1 kV. Part 2-20, National Normative Aspects (NNA) for Estonia (based on EN 50341-1:2012)

2018 [https://www.ester.ee/record=b5186383\\*est](https://www.ester.ee/record=b5186383*est)

**Elektriõhuliinid vahelduvpingega üle 45 kV**

**Raesaar, Peeter; Metusala, Tiit** 2007 [https://www.ester.ee/record=b2237817\\*est](https://www.ester.ee/record=b2237817*est)

**An embedded half-bridge  $\Gamma$ -Z-source inverter with reduced voltage stress on capacitors**

**Mashinchi Maheri, Hamed; Vinnikov, Dmitri;** Nozadian, Mohsen Hasan Babayi; Shokati Asl, Elias; Babaei, Ebrahim; **Chub, Andrii** Energies 2021 / art. 6433, 21 p. : ill <https://doi.org/10.3390/en14196433> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Establishment of national standard of voltage unit in Estonia**

**Pokatilov, Andrei;** Kübarsepp, Toomas BEC 2006 : 2006 International Baltic Electronics Conference : Tallinn University of Technology, October 2-4, 2006, Tallinn, Estonia : proceedings of the 10th Biennial Baltic Electronics Conference 2006 / p. 157-160

**Estimating the harmonic distortions in a distribution network supplying EV charging load using practical source data - case example**

**Kütt, Lauri;** Saarijärvi, Eero; Lehtonen, Matti; **Mölder, Heigo; Niitsoo, Jaan** 2014 IEEE Power and Energy Society General Meeting : National Harbor, MD, USA, 27-31 July 2014 2014 / [5] p. : ill

**Estimation of peak voltage value and its occurrence timing upon non-sinusoidal supply voltage**

**Daniel, Kamran; Kütt, Lauri;** Iqbal, Muhammad Naveed; **Shabbir, Noman; Jarkovoi, Marek** 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / p. 1-6 <https://doi.org/10.1109/CPE-POWERENG60842.2024.10604412>

**Evaluating responsibility for voltage unbalance emission in three-phase three-wire networks**

Sayenko, Yuri; Kalyuzhnyi, Dmitri; **Bolgov, Viktor;** Baranenko, Tatiana 12th International Conference and Exhibition on Electrical Power Quality and Utilisation, Cracow, Poland, 14-15 September 2020 : conference proceedings 2020 / 6 p. : ill <https://doi.org/10.1109/EPQU50182.2020.9220312>

**Evaluation of different high-voltage switch solutions for high-power converters used in rolling stock [Electronic resource]**

**Vinnikov, Dmitri; Laugis, Juhan; Jalakas, Tanel** ISIE08 : 2008 IEEE International Symposium on Industrial Electronics : 30 June - 2 July 2008, Cambridge, United Kingdom 2008 / p. 214-219 : ill. [CD-ROM] <https://ieeexplore.ieee.org/document/4677124>

**Experimental study of voltage-fed quasi-z-source inverter based isolated DC/DC converter**

**Vinnikov, Dmitri; Roasto, Indrek;** Strzelecki, Ryszard Electrical engineering research report 2009 / [7] p

**Experimental verification of DC/DC converter with full-bridge active rectifier**

**Blinov, Andrei;** Ivakhno, Volodymyr; Zamaruev, Vladimir; **Vinnikov, Dmitri; Husev, Oleksandr** IECON 2012 : 38th Annual Conference of the IEEE Industrial Electronics Society : Industrial Electronics for Sustainable Development 2012 / p. 5179-5184 : ill <https://ieeexplore.ieee.org/document/6389549>

**Fault detection and protection system for the power converters with high-voltage IGBTs [Electronic resource]**

**Vinnikov, Dmitri; Roasto, Indrek; Lehtla, Tõnu** ICECS 2008 : The 15th IEEE International Conference on Electronics, Circuits and Systems : August 31 - September 3, 2008, Malta 2008 / p. 922-925 : ill. [CD-ROM] <https://ieeexplore.ieee.org/document/4675005>

**Feasibility study of high-power density of modified isolated CLLC DC-DC interface with wide range of voltage/current regulation**

**Husev, Oleksandr; Matiushkin, Oleksandr; Mohseni, Parham; Canales, Francisco** PCIM Europe 2024 2024 / 10 p <https://doi.org/10.30420/566262111>

**GaAs based diffusion welded high voltage diode stacks [Electronic resource]**

**Toompuu, Jana; Korolkov, Oleg; Sleptšuk, Natalja; Voitovitš, Viktor; Rang, Toomas** IEEE International Conference on Semiconductor Electronics CD-ROM Proceedings 2010 / [4] p <https://ieeexplore.ieee.org/document/5549505>

**Guidelines for power quality monitoring – results from CIGRE/CIREN JWG C4.112**

**Kilter, Jako;** Elphick, Sean; Meyer, Jan; Milanovic, Jovica V. Proceedings of 2014 16th International Conference on Harmonics and Quality of Power (ICHQP) : University POLITEHNICA of Bucharest, Bucharest, Romania, 25-28 May 2014 2014 / p. 703-707 : tab

**Guidelines for power quality monitoring : measurement locations, processing and presentation of data**

Milanovic, Jovica V.; **Kilter, Jako** 2014

**Half-bridge trans-Z-source inverter with high boost factor**

**Mashinchi Maheri, Hamed;** Shokati Asl, Elias; Babaei, Ebrahim; Sabahi, Mehran; Vinnikov, Dmitri IECON 2021 – 47th Annual Conference of the IEEE Industrial Electronics Society 2021 / p. 1-6 : ill <https://doi.org/10.1109/IECON48115.2021.9589525> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Harmonic currents and voltages in industrial LV networks - case studies**

**Vinnal, Toomas; Kütt, Lauri; Jarkovoi, Marek** 2018 International Symposium on Power Electronics, Electrical Drives, Automation and Motion (SPEEDAM 2018) : Amalfi, Italy, 20-22 June 2018 / p. 177-182 : ill <https://doi.org/10.1109/SPEEDAM.2018.8445234>

### **Harmonic currents and voltages in LV networks of Estonia : measurement results, case studies**

**Vinnal, Toomas; Jarkovoi, Marek; Kütt, Lauri** 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 7 p. : ill <https://doi.org/10.1109/RTUCON.2018.8659875>

### **Harmonic load of residential distribution network - case study monitoring results**

**Kütt, Lauri; Saarijärvi, Eero; Lehtonen, Matti; Mölder, Heigo; Vinnal, Toomas** PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 93-98 : ill

### **Harmonic losses in induction motors caused by voltage waveform distortions**

**Mölder, Heigo; Vinnal, Toomas; Beldjajev, Viktor** PQ2010 : 7th International Conference "2010 Electric Power Quality and Supply Reliability" : June 16-18, 2010, Kuressaare, Estonia 2010 / p. 143-148 : ill

### **Harmonic voltages and currents in LV industrial power systems, shunt capacitors and additional power losses**

**Vinnal, Toomas; Kalda, Heljut; Mölder, Heigo** 9th International Symposium "Topical problems in the field of electrical and power engineering". Doctoral school of energy and geotechnology. II : Pärnu, Estonia, June 14-19, 2010 / p. 47-52 : ill

### **A high step-up non-isolated dc-dc converter with low voltage stress across transistor**

**Pourjafar, Saeed; Hemmati Shahsavari, Tala; Hashemzadeh, Seyed Majid; Husev, Oleksandr; Matiushkin, Oleksandr; Vinnikov, Dmitri** IEEE transactions on industrial electronics 2024 / p. 15755-15767 <https://doi.org/10.1109/TIE.2024.3383025>

### **A hybrid modulation approach for step-up/ down partial power converter with improved MPPT efficiency around zero partiality**

**Yadav, Neelesh; Chub, Andrii; Hassanpour, Naser; Blinov, Andrei; Vinnikov, Dmitri; Galkin, Ilya** IEEE transactions on industry applications 2025 <https://doi.org/10.1109/TIA.2025.3525607>

### **IEC standardpinged**

**Oidram, Rein** 2007 [https://www.ester.ee/record=b2335590\\*est](https://www.ester.ee/record=b2335590*est)

### **IEC standardpinged = IEC standard voltages. (IEC 60038:2009)**

2011 [https://www.ester.ee/record=b2696550\\*est](https://www.ester.ee/record=b2696550*est)

### **Impedance network impact on the controller design of the QZSI for PV applications**

**Liu, Wenjie; Yang, Yongheng; Kerekes, Tamas; Liivik, Elizaveta; Blaabjerg, Frede** 2020 IEEE 21st Workshop on Control and Modeling for Power Electronics (COMPEL), Aalborg, Denmark, November 9-12, 2020 / 6 p <https://doi.org/10.1109/COMPEL49091.2020.9265708>

### **Impedance network-based diode-clamped multilevel inverter voltage balancing with cascaded voltage multiplier**

**Ebrahimi, Ali; Babaei, Ebrahim; Mousavi, S. M. J.; Mashinchi Maheri, Hamed; Jalakas, Tanel** 2023 IEEE 64th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), Riga, Latvia, October 9-10, 2023 : conference proceedings 2023 / 6 p <https://doi.org/10.1109/RTUCON60080.2023.10413166>

### **Impedance-source inverter-based high-power DC/DC converter for fuel cell applications**

**Egorov, Mikhail; Vinnikov, Dmitri; Strzelecki, Ryszard; Adamowicz, Marek** 8 IEEE International Conference on Environment and Electrical Engineering : Karpacz, Poland, 10-13 May 2009 / p. 57-60 : ill <http://eeeic.org/proc/papers/109.pdf>

### **Improved fractional open circuit voltage MPPT methods for PV systems**

**Baimel, Dmitri; Tapuchi, Saad; Levron, Yoash; Belikov, Juri** Electronics 2019 / art. 321 <https://doi.org/10.3390/electronics8030321>  
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **An improved nine-level switched capacitor-based inverter with voltage boosting capability and limitation of capacitor current spikes for PV applications**

**Vosoughi Kurdkandi, Naser; Marangalu, Milad Ghavipanjeh; Naderi, Yahya; Husev, Oleksandr; Hosseini, Seyed Hossein; Siwakoti, Yam P.; Mehrizi-Sani, Ali** IET renewable power generation 2023 / p. 725-749 <https://doi.org/10.1049/rpg2.12630> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **An improved ZVS high step-up converter based on coupled inductor and built-in transformer**

**Nouri, Tohid; Vosoughi Kurdkandi, Naser; Husev, Oleksandr** IEEE transactions on power electronics 2021 / p. 13802-13816 : ill <https://doi.org/10.1109/TPEL.2021.3088092> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Increasing PV hosting capacity in LV distribution networks using congestion control techniques**

**Shabbir, Noman** 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of

energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 87-88 [https://www.ester.ee/record=b5504019\\*est](https://www.ester.ee/record=b5504019*est)

**Indirect power factor correction method and corresponding sensorless switch-mode resonant AC/DC converter**  
[Electronic resource]

**Šklovski, Jevgeni; Janson, Kuno** IECON'2006 : the 32nd Annual Conference of the IEEE Industrial Electronics Society : November 6-10, 2006, Paris : proceedings 2006 / p. 2378-2383 : ill. [CD-ROM] <https://ieeexplore.ieee.org/document/4153375>

**Induction generator with direct control and a limited number of measurements on the side of the converter connected to the power grid**

Kasprowicz, Andrzej Bogdan; **Husev, Oleksandr**; Strzelecki, Ryszard Energies 2023 / art. 63, 23 p. : ill  
<https://doi.org/10.3390/en16010063> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Influence of second-order lines on the quantitative wavelength dispersive spectrometry analysis at low accelerating voltages**

**Mikli, Valdek** Microchimica acta 2006 / 1/2, p. 205-208 <https://link.springer.com/content/pdf/10.1007/s00604-006-0544-7.pdf>

**Influence of vapour transport deposition conditions on properties of SB2SE3 thin film absorber and solar cells**

**Gopi, Sajeesh Vadakkedath; Spalatu, Nicolae; Katerski, Atanas; Krunks, Malle; Oja Acik, Ilona** Graduate School of Functional Materials and Technology (GSFMT) Scientific Conference : abstracts 2022 / 18 l. [Graduate School of Functional Materials and Technology \(GSFMT\) Scientific Conference 2022](#)

**Interlaboratory comparison of voltage transformer**

**Baraškova, Tatjana** Proceedings of the 3rd International Conference Industrial Engineering - New Challenges to SME : 25-27 April 2002, Tallinn, Estonia 2002 / p. 11-14

**Investigating the progression of insulation degradation in power cable based on partial discharge measurements**

Hassan, Waqar; **Shafiq, Muhammad**; Hussain, Ghulam Amjad; **Choudhary, Maninder; Palu, Ivo** Electric power systems research 2023 / art. 109452 <https://doi.org/10.1016/j.epsr.2023.109452> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Isolaatorite ja nenede makettide läbilöögi võrdlev uurimine mitmesugustes keskkondades**

**Svinolupov, G.** XXXII üliõpilaste teaduslik-tehnilise konverentsi ettekannete teesid : pühendatud V. I. Lenini 110. sünniaastapäevale : 16.-18. aprill 1980 1981 / lk. 100-101 [https://www.ester.ee/record=b1322611\\*est](https://www.ester.ee/record=b1322611*est)

**Isolated DC/DC converter based voltage measuring system for series connected supercapacitor cells**

Sirmelis, Ugis; Grigans, Linards; Kroics, Kaspars; **Zakis, Janis** 2015 9th International Conference on Compatibility and Power Electronics (CPE) : proceedings : Faculty of Science and Technology (FCT), Caparica, Lisbon, Portugal, 24-26 June, 2015 2015 / p. 443-446 : ill <http://dx.doi.org/10.1109/CPE.2015.7231116>

**Isolated DC/DC converter topology with a three-phase intermediate AC-link**

**Vinnikov, Dmitri** BEC 2006 : 2006 International Baltic Electronics Conference : Tallinn University of Technology, October 2-4, 2006, Tallinn, Estonia : proceedings of the 10th Biennial Baltic Electronics Conference 2006 / p. 241-244 : ill

**Kaitseaparaadid**

**Lahtmets, Rain** 2006 [http://www.ester.ee/record=b2113826\\*est](http://www.ester.ee/record=b2113826*est)

**Kaksik- ja küllastusreaktoriga pingestabilisaator**

**Leibengrub, G.; Järvik, Jaan; Reiner, Ardi** XXIX vabariiklik üliõpilaste teaduslik- tehniline konverents 30. märtsist - 1. aprillini 1977 : ettekannete teesid 1977 / lk. 61 [https://www.ester.ee/record=b2449987\\*est](https://www.ester.ee/record=b2449987*est)

**230/400 contra 220/380**

**Risthein, Endel** Energiavarustus ja -sääst. Informatsiooniseeria 17 : bülletään 1989 / lk. 1-7 [https://www.ester.ee/record=b1248096\\*est](https://www.ester.ee/record=b1248096*est)

**Kõrgendatud elektromagnetilise sobitavusega (ühitatavusega) reaktiivvõimsuse kompensatsiooni ja pingereguleerimisseadeldised**

**Järvik, Jaan** Kõrgema tehnilise hariduse ja tehnilise mõtte areng Eestis 1988 / lk. 16-41

**Kõrgepinge katsetehnika**

**Metusala, Tiit; Oidram, Rein** 2008 [https://www.ester.ee/record=b2462038\\*est](https://www.ester.ee/record=b2462038*est)

**Kõrgepingejaotla ja juhtimisaparatuur**

**Treufeldt, Ülo; Oidram, Rein** 2009 [https://www.ester.ee/record=b2466690\\*est](https://www.ester.ee/record=b2466690*est)

**Kõrgepingejaotla ja juhtimisaparatuur. Osa 103, Vahelduvvoolu koormuslülitid nimipingetele üle 1 kV kuni 52 kV kaasaarvatult = High-voltage switchgear and controlgear. Part 103, Alternating current switches for rated voltages above**

**1 kV up to and including 52 kV (IEC 62271-103:2021)**

2024 [https://www.ester.ee/record=b5654231\\*est](https://www.ester.ee/record=b5654231*est)

**Kõrgepingeaotla ja juhtimisaparatuur. Osa 108, Kõrgepingeline vahelduvvoolu lahk-võimsuslüliti nimipingetele üle 52 kV [Võrguteavik] = High-voltage switchgear and controlgear. Part 108, High-voltage alternating current disconnecting circuit-breakers for rated voltages above 52 kV (IEC 62271-108:2020)**

2021 [https://www.ester.ee/record=b5412986\\*est](https://www.ester.ee/record=b5412986*est)

**Kõrgepingeline lülitis- ja juhtimisaparatuur. Osa 1, Vahelduvvoolu lülitis- ja juhtimisaparatuuri üldliigitus [Võrguteavik] = High-voltage switchgear and controlgear. Part 1, Common specifications for alternating current switchgear and controlgear (IEC 62271-1:2017/AMD1:2021)**

2022 [https://www.ester.ee/record=b5485887\\*est](https://www.ester.ee/record=b5485887*est)

**Kõrgepingeline lülitis- ja juhtimisaparatuur. Osa 1, Vahelduvvoolu lülitis- ja juhtimisaparatuuri üldliigitus [Võrguteavik] = High-voltage switchgear and controlgear. Part 1, Common specifications for alternating current switchgear and controlgear (IEC 62271-1:2017)**

2017 [http://www.ester.ee/record=b4768187\\*est](http://www.ester.ee/record=b4768187*est)

**Leakage currents in 4H-SiC JBS diodes**

Ivanov, Pavel; Korolkov, Oleg; Sleptšuk, Natalja Semiconductors 2012 / p. 397-400 : ill

<https://link.springer.com/article/10.1134/S106378261203013X>

**Liigpinged madalpingevõrkudes : [seminaridest]**

Liin, Heljut Pinger 1998 / 5. märts, lk. 4

**Liigpingekaitse**

Risthein, Endel 2007 [https://www.ester.ee/record=b2289284\\*est](https://www.ester.ee/record=b2289284*est)

**Liigpingepiirik - mis ja milleks?**

Toomsalu, Arvo Arvutimaailm 1999 / 1, lk. 42-45: ill [https://artiklid.elnet.ee/record=b1000082\\*est](https://artiklid.elnet.ee/record=b1000082*est)

**Liigpingepiirikud**

Oidram, Rein; Tammoja, Heiki 2004 [https://www.ester.ee/record=b2006452\\*est](https://www.ester.ee/record=b2006452*est)

**Liigpingepiirikud**

Terno, Olaf; Metusala, Tiit; Tammoja, Heiki 2004 [https://www.ester.ee/record=b2006459\\*est](https://www.ester.ee/record=b2006459*est)

**Liigpingepiirikud**

Oidram, Rein; Metusala, Tiit; Oidram, Rein; Teemets, Raivo; Riit, Tarmo 2009 [https://www.ester.ee/record=b2536957\\*est](https://www.ester.ee/record=b2536957*est)

**Load current stabilisation and suppression of flicker in AC arc furnace power supply by series-connected saturable reactor**

Bolgov, Viktor; Järvik, Jaan 5th International Scientific Conference : Electric Power Engineering 2003 : January 28-29, 2003, Beskydy Pension, Visalaje Czech Republic 2003 / p. 5-15 : ill

**Load current stabilization and suppression of flicker in AC arc furnace power supply by series-connected saturable reactor**

Bolgov, Viktor 2004 [https://www.ester.ee/record=b1953746\\*est](https://www.ester.ee/record=b1953746*est)

**Load shifting in the existing distribution network and perspectives for EV charging - case study**

Kütt, Lauri; Saarijärvi, Eero; Lehtonen, Matti; Rosin, Argo; Mölder, Heigo 2014 5th IEEE PES Innovative Smart Grid Technologies Europe (ISGT Europe) : October 12-15, Istanbul 2014 / p. 1-6 : ill

**A low voltage high input bandwidth downconversion mixer**

Vauhkonen, Ari; Grahn, Kaj J. BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 469-470: ill [https://www.ester.ee/record=b2150914\\*est](https://www.ester.ee/record=b2150914*est)

**Madalpingepaigaldiste liigpingekaitse**

Risthein, Endel 2002 [https://www.ester.ee/record=b1645101\\*est](https://www.ester.ee/record=b1645101*est)

**Mathematical model for assessment of voltage disturbing sources in networks with distributed power generation**

Sayenko, Yuri; Kalyuzhnyi, Dmitry; Bolgov, Viktor; Kütt, Lauri Przegląd elektrotechniczny = Electrical review 2019 / p. 49-53 : ill <https://doi.org/10.15199/48.2019.03.12> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Measurements and analyses of supply voltage magnitude and voltage variations in Estonian industrial companies**

**Vinnal, Toomas; Kalda, Heljut;** Mölder, Heigo 10th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology II: Pärnu, Estonia, January 10-15, 2011 2011 / p. 46-51 : ill

**Model verification for analysis of wind power impact to transient stability in isolated power system using combined relay protection and dynamics modelling approach**

**Maripuu, Rain; Tsernobrovkin, Oleg; Palu, Ivo; Kilter, Jako** PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 169-174 : ill  
<https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6256222>

**Modeling and analysis of voltage unbalance and its influence on transmission network and power quality**

**Sarnet, Tanel; Kilter, Jako** Electrical and Control Technologies : proceedings of the the 7th International Conference on Electrical and Control Technologies ECT-2012 2012 / p. 179-182 : ill

**Modelling of distribution level coreless induction furnace for rapid voltage change assessment**

**Trummal, Tarmo; Sarnet, Tanel; Kilter, Jako** Electric power systems research 2021 / art. 107151

<https://doi.org/10.1016/j.epsr.2021.107151> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Modelling of high-speed electrical railway system for transmission network voltage quality analysis : Rail Baltic case study**

**Kilter, Jako; Sarnet, Tanel; Kangro, Triin** PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 323-328 : ill

**Modelling of voltage transients on inverter fed AC induction motor**

**Lehtla, Tõnu** Stockholm Power Tech : International Symposium on Electrical Power Engineering : June 18-22, 1995 : [papers]. Electrical machines and drives 1995 / p. 438-439

**An MPPT algorithm for PV systems based on a simplified photo-diode model**

Restrepo, Carlos; Gonzalez-Castano, Catalina; Munoz, Javier; **Chub, Andrii;** Vidal-Idiarte, Enric; Giral, Roberto IEEE Access 2021 / p. 33189-33202 <https://doi.org/10.1109/ACCESS.2021.3061340> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Negative and positive lightning impulse flashover voltages of service-aged medium voltage porcelain support insulator**

**Kiitam, Ivar** 19th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Tartu, Estonia, January 14-17, 2020 2020 / p. 159-160 : ill [https://www.ester.ee/record=b5291755\\*est](https://www.ester.ee/record=b5291755*est)

**New high-gain non-inverting buck-boost converter**

**Abdelrahim Abdelghafour, Omar Mohamed; Chub, Andrii; Blinov, Andrei; Vinnikov, Dmitri** IECON 2021 – 47th Annual Conference of the IEEE Industrial Electronics Society 2021 / p. 1-6 : ill <https://doi.org/10.1109/IECON48115.2021.9590003> [Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**A new single-phase flying inductor-based common grounded converter for dual-purpose application**

**Husev, Oleksandr; Vosoughi Kurdkandi, Naser;** Marangalu, Milad Ghavipanjeh; **Vinnikov, Dmitri;** Hosseini, Seyed Hossein IEEE transactions on industrial electronics 2023 / p. 7913-7923 <https://doi.org/10.1109/TIE.2022.3215832> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A new six-level transformer-less grid-connected solar photovoltaic inverter with less leakage current**

**Vosoughi Kurdkandi, Naser;** Marangalu, Milad Ghavipanjeh; Mohammadsalehian, Shamim; Tarzamni, Hadi; Siwakoti, Yam P.; Islam, Md. Rabiul; Muttaqi, Kashem M. IEEE Access 2022 / p. 63736 - 63753 : ill <https://doi.org/10.1109/ACCESS.2022.3182240> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**New way to identify and assess voltage unbalance emission sources in three-phase three-wire electrical networks**

Sayenko, Yuri; Kalyuzhniy, Dmitry; **Bolgov, Viktor** Power quality in distribution networks with distributed generation : International Ukraine-Poland Seminar, Kiev, July 4-5, 2019 2019 / p. 65-72 : ill <https://doi.org/10.32073/iepl.2019.07>

**New voltage mode control method for the quasi-Z-source-based isolated DC/DC converters [Electronic resource]**

**Roasto, Indrek; Vinnikov, Dmitri** 2012 IEEE International Conference on Industrial Technology : proceedings CD 2012 / p. 655-660 : ill [CD-ROM] <https://ieeexplore.ieee.org/document/6210011>

**A novel extendable high gain step up DC-DC converter**

**Mashinchi Maheri, Hamed;** Salehi Vala, Sama; Basit Mirza, Abdul; Babaei, Ebrahim; **Vinnikov, Dmitri** 2021 IEEE 62nd International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON); conference proceedings 2021 / p. 1-6 <https://doi.org/10.1109/RTUCON53541.2021.9711745>

**A novel isolated Buck-Boost DC-DC converter with wide range of voltage regulations**

**Afshari, Hossein; Husev, Oleksandr; Vinnikov, Dmitri** 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 6 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227443>

### **A novel single-phase common-grounded converter based on switched-capacitor**

Kurdkandi, Naser Vosoughi; **Husev, Oleksandr; Matiushkin, Oleksandr; Vinnikov, Dmitri**; Gao, Wei; Chunting, Chris Mi IEEE transactions on power electronics 2024 / p. 16201-16216 <https://doi.org/10.1109/TPEL.2024.3444769>

### **Novel space vector pulse width modulation strategies for single-phase three-level NPC impedance-source inverters**

Shults, Tatiana; **Husev, Oleksandr**; Blaabjerg, Frede; Roncero, Carlos; Romero-Cadaval, Enrique; **Vinnikov, Dmitri** IEEE transactions on power electronics 2019 / p. 4820-4830: ill <https://doi.org/10.1109/TPEL.2018.2859194> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **On the effect of correlation by the measurement of alternating voltage**

**Baraškova, Tatjana** Proceedings of the Estonian Academy of Sciences. Engineering 2006 / 3-1, p. 208-217 : ill

### **Operation and design of series-resonant current-source full-bridge dc-dc converter**

Verbytskyi, Ievgen; **Blinov, Andrei; Vinnikov, Dmitri**; Pefitsis, Dimosthenis IECON 2021 – 47th Annual Conference of the IEEE Industrial Electronics Society 2021 / 6 p <https://doi.org/10.1109/IECON48115.2021.9589548> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Optimal condition monitoring of high voltage circuit breakers**

**Asefi, Sajjad** 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 81-82 : ill [https://www.ester.ee/record=b5504019\\*est](https://www.ester.ee/record=b5504019*est)

### **Optimized modulation scheme for four-leg quasi Z-source inverter : reducing power loss and improving output quality**

Abid, Abderahmane; **Bakeer, Abualkasim Ahmed Ali**; Albalawi, Hani; Zellouma, Laid; Bouzidi, Mansour; Lashab, Abderezak; Rabhi, Boualaga; **Chub, Andrii** IEEE Access 2023 / p. 94125-94137 <https://doi.org/10.1109/ACCESS.2023.3305263> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Outlook for creation of a controlled reactor for a nominal voltage of 1150 kV, power of 500-1000 MVA**

Biki, M.; **Järvik, Jaan** Soviet electrical engineering 1991 / p. 44-45 [https://www.ester.ee/record=b5680973\\*est](https://www.ester.ee/record=b5680973*est)

### **Output filter for the high-voltage DC/DC converter**

**Müür, Margus; Vinnikov, Dmitri** 4th International Symposium Topical Problems of Education in the Field of Electrical and Power Engineering. Doctoral School of Energy and Geotechnology : Kuressaare, Estonia, January 15-20, 2007 2007 / p. 118-121 : ill

### **Output rectifier for the high-voltage high-frequency isolated DC/DC converter**

**Jalakas, Tanel; Vinnikov, Dmitri; Laugis, Juhan** Scientific proceedings of Riga Technical University. Serija 4, Power and electrical engineering 2007 / p. 84-95 : ill

### **Output rectifier for the high-voltage high-frequency isolated DC/DC converter**

**Roasto, Indrek; Vinnikov, Dmitri**; Klytta, Marius Scientific proceedings of Riga Technical University. Serija 4, Power and electrical engineering 2007 / p. 75-83 : ill

### **Output voltage regulation of isolated PV-vonnected boost converters with variable loads using converted hysteresis sliding mode controller**

Zolfaghari, Mahdi; Zolfaghari, A.; **Gharehpetian, Gevork B.; Ahmadihangar, Roya; Rosin, Argo** 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 7 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227386>

### **An overview of measurement standards for power quality**

**Shabbir, Noman; Kütt, Lauri; Jarkovoi, Marek; Iqbal, Muhammad Naveed; Rassõlkin, Anton; Daniel, Kamran** Agronomy research 2021 / p. 944-960 <https://doi.org/10.15159/ar.21.074> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **PCB design impact on GaN-Based converter operation**

**Husev, Oleksandr; Jalakas, Tanel; Vinnikov, Dmitri; Vosoughi Kurdkandi, Naser**; Persson, Eric 2023 IEEE Applied Power Electronics Conference and Exposition (APEC), 19-23 March 2023 : proceedings 2023 / p. 640-650 <https://doi.org/10.1109/APEC43580.2023.10131547> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Performance evaluation of PD monitoring technique integrated into medium voltage cable network for smart condition assessment**

Shafiq, Muhammad; Lehtonen, Matti; Hussain, Ghulam A.; **Kütt, Lauri** PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 351-357 : ill

### **Performance evaluation of step-up/down partial power converters based on current-fed DC-DC topologies**

**Yadav, Neelesh; Hassanpour, Naser; Chub, Andrii; Blinov, Andrei; Vinnikov, Dmitri**; Galkin, Ilya; Abdelrahim Abdelghafour, Omar Mohamed IEEE transactions on industry applications 2024 / p. 7111-7124 : ill <https://doi.org/10.1109/TIA.2024.3413050> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Performance improvement method for the voltage-fed qZSI with continuous input current**

**Vinnikov, Dmitri; Roasto, Indrek;** Strzelecki, Ryszard; Adamowicz, Marek MELECON 2010 : the 15th IEEE Mediterranean Electrotechnical Conference : 25th-28th April 2010, Malta : book of abstracts 2010 / p. 135 <https://ieeexplore.ieee.org/document/5476229>

### **Pinge kvaliteet elektrituuliku sisaldavas nõrgas elektrivõrgus**

**Palu, Ivo** Taastuvate energiaallikate uurimine ja kasutamine : seitsmenda konverentsi kogumik : [13. okt. 2005], Tartu, Estonia 2006 / lk. 25-30 : ill

### **Pingemuunduritega alalisvoolusüsteemide terminoloogia [Võrguteavik] = Terminology for voltage-sourced converters (VSC) for high-voltage direct current (HVDC) systems (IEC 62747:2014+IEC 62747:2014/A1:2019)**

2020 [https://www.ester.ee/record=b5352701\\*est](https://www.ester.ee/record=b5352701*est)

### **Power factor correction with vehicle-to-grid STATCOM implementation**

**Rassõlkin, Anton; Kallaste, Ants; Hõimoja, Hardi** PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 177-180 : ill

### **Power losses in induction motors in relation to supply voltage quality**

**Vinnal, Toomas; Janson, Kuno; Kalda, Heljut** PCIM 2010 Power Electronics, Intelligent Motion, Power Quality : Nuremberg, Germany, 4-6 May 2010 2010 / p. 636-642

### **Preliminary study on voltage level influence on harmonic current of LED lamps**

**Jarkovoi, Marek; Kütt, Lauri** 16th International Symposium "Topical Problems in the Field of Electrical and Power Engineering. Doctoral School of Energy and Geotechnology III" : Pärnu, Estonia, January 16-21, 2017 2017 / p. 116-120 : ill  
[http://www.ester.ee/record=b4650094\\*est](http://www.ester.ee/record=b4650094*est)

### **Probabilistic bivariate modeling of harmonic current**

**Jarkovoi, Marek; Kütt, Lauri; Iqbal, Muhammad Naveed** 2020 19th International Conference on Harmonics and Quality of Power (ICHQP), 6-7 July 2020, Dubai, UAE 2020 / 6 p <https://doi.org/10.1109/ICHQP46026.2020.9177870>

### **Protection and common mode voltage of The Push-Pull Partial Power Converter**

**Abdelrahim Abdelghafour, Omar Mohamed; Vinnikov, Dmitri; Chub, Andrii; Blinov, Andrei** IEEE Conference on Power Electronics and Renewable Energy : Luxor, Egypt, February, 19-21, 2023 2023 <https://doi.org/10.1109/CPERE56564.2023.10119636>

### **Provision of reactive power by nanogrids as part of a topological power plant in a low voltage network**

**Helguero Cruz, Jorge Luis; Galeano, Santiago; Rosin, Argo; Biechl, Helmuth** 3rd International Conference on Smart Energy Systems and Technologies (SEST), Istanbul, Turkey, 7-9 September 2020 2020 / 6 p. : ill  
<https://doi.org/10.1109/SEST48500.2020.9203456>

### **Pöördväljatrafoga plasmotroni toite seade**

**Zaitsev, O.; Järvik, Jaan; Reiner, Ardi** XXIX vabariiklik üliõpilaste teaduslik- tehniline konverents 30. märtsist - 1. aprillini 1977 : ettekannete teesid 1977 / lk. 65 [https://www.ester.ee/record=b2449987\\*est](https://www.ester.ee/record=b2449987*est)

### **Reactive power sharing and voltage control for islanded microgrids at low voltage level**

**Helguero Cruz, Jorge Luis; Hutter, T.; Armstorfer, Andreas; Rosin, Argo; Biechl, Helmuth** 17th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral school of energy and geotechnology. III : Kuressaare, Estonia, January 15-20, 2018 2018 / p. 133-137 : ill [http://ise.elnet.ee/record=b2950045~S2\\*est](http://ise.elnet.ee/record=b2950045~S2*est)

### **Reconfigurable three-switch leg multi-port boost inverters with novel modulation schemes for hybrid DC/AC microgrid systems**

**Reddy, M. Rama Narayana; Reddy, B. Dastagiri; Prabhakaran, Prajof; Chub, Andrii; Kouro, Samir** IEEE Access 2025 / p. 77124-77146 <https://doi.org/10.1109/ACCESS.2025.3565791> <https://ieeexplore.ieee.org/document/10980297>

### **Research and development of voltage converter for trams**

**Vinnikov, Dmitri; Lehtla, Madis; Joller, Jüri; Laugis, Juhan** Power and Electrical Engineering International Scientific Conference 2002 / ? p

### **Research and development of voltage converters based on 6,5 kV IGBTs**

**Jalakas, Tanel; Roasto, Indrek; Müür, Margus; Vinnikov, Dmitri; Laugis, Juhan** International Youth Conference on Energetics IYCE-2007 : 31 May - 02 June, 2007, Budapest, Hungary : program & abstracts 2007 / p. 153-154 : ill

### **Research of over-voltages and other high frequency phenomena in long cable AC drives**

**Klytta, Marius; Lehtla, Tõnu; Naadel, Raul** 4th International Workshop CPE 2005 : Compatibility in Power Electronics : Fifth International Research and Educational Colloquium on Electronics : 1-3 June 2005, Gdynia, Poland 2005 / p. 147-149 : ill

### **Research of over-voltages and other high frequency phenomena in long cable AC drives [Electronic resource]**

Klytta, Marius; **Lehtla, Tõnu; Naadel, Raul** Proceedings of 4th International Workshop CPE 2005 : Compatibility in Power Electronics : Fifth International Research and Educational Colloquium on Electronics : 1-3 June 2005, Gdynia, Poland 2005 / [5] p. : ill. [CD-ROM]

**Research of switching properties and performance improvement methods of high-voltage IGBT based DC/DC converters = Kõrgepingelistel IGBT transistoridel põhinevate alalispingemuundurite lülitusomaduste ja jõudluse suuredamise meetodite uurimine**

**Blinov, Andrei** 2012 [http://www.ester.ee/record=b2856034\\*est](http://www.ester.ee/record=b2856034*est)

**Research of the effect of correlation at the measurement of alternating voltage = Korrelatsiooni mõju uurimine vahelduvpinge mõõtmisel**

**Baraškova, Tatjana** 2006 [http://www.ester.ee/record=b2208758\\*est](http://www.ester.ee/record=b2208758*est)

**Research, design and implementation of auxiliary power supplies for the light rail vehicles**

**Vinnikov, Dmitri; Lehtla, Tõnu** 2005 [https://www.ester.ee/record=b2097496\\*est](https://www.ester.ee/record=b2097496*est)

**Robust operation of four-leg voltage source inverter using model-free predictive control**

**Bakeer, Abualkasim Ahmed Ali; Abid, Abderahmane; Albalawi, Hani A.; Magdy, Gaber; Chub, Andrii; Zaid, Sherif A.** Journal of Electrical Engineering & Technology 2025 / p. 685-702 <https://doi.org/10.1007/s42835-024-02018-z>

**Simple relationship between the breakdown voltage, concentration and junction depth pn diffused junctions**

**Rang, Toomas** Physica status solidi. A, Applied research 1982 / p. K117-K119 : tab., joon [https://www.ester.ee/record=b1562026\\*est](https://www.ester.ee/record=b1562026*est)

**A simple space vector modulation method with DC-link voltage balancing and reduced common-mode voltage strategy for a three-level T-type quasi-Z source inverter**

**Mayorga, Nicolas; Roncero-Clemente, Carlos; Llor, Ana M.; Husev, Oleksandr** IEEE Access 2021 / art. 9447724, p. 82747-82760 <https://doi.org/10.1109/ACCESS.2021.3087035> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Simulation of grid connected three-level neutral-point-clamped qZS inverter using PSCAD**

**Roncero-Clemente, Carlos; Romero-Cadaval, Enrique; Husev, Oleksandr; Vinnikov, Dmitri; Stepenko, Serhii** Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2013 / p. 14-19 : ill

**Sinusoidaalse pinge generaator füüsika praktikumi jaoks**

**Golubkov, J.; Veimer, Vladimir** XXXII üliõpilaste teaduslik-tehnilise konverentsi ettekannete teesid : pühendatud V. I. Lenini 110. sünniaastapäevale : 16.-18. aprill 1980 1981 / lk. 70 [https://www.ester.ee/record=b1322611\\*est](https://www.ester.ee/record=b1322611*est)

**Sliding mode control based on super twisting algorithm for single-stage on-board charger**

**Guler, Naki; Komurcugil, Hasan; Bayhan, Sertac; Vinnikov, Dmitri; Blinov, Andrei** 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 6 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227481>

**Solar optiverter - a novel hybrid approach to the photovoltaic module level power electronics**

**Vinnikov, Dmitri; Chub, Andrii; Kosenko, Roman; Korkh, Oleksandr** IEEE transactions on industrial electronics 2019 / p. 3869-3880 <https://doi.org/10.1109/TIE.2018.2850036> [Tehnikaülikooli seade muudab päikesepaneelid märgatavalt tootlikumaks](#) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Standard for voltage unit : development of national standard for voltage unit based on solid-state references**

**Pokatilov, Andrei** 2010 <https://www.amazon.com/Standard-Voltage-Unit-Development-Solid-State/dp/3838357396>

**State coordinated voltage control in an active distribution network with on-load tap changers and photovoltaic systems**

**Singh, Praveen Prakash; Palu, Ivo** Global Energy Interconnection 2021 / 9 p. : ill <https://doi.org/10.1016/j.gloi.2021.05.005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Stator voltage analysis of frequency converter fed induction generator with broken rotor bars**

**Vaimann, Toomas; Belahcen, Anouar; Martinez, Javier; Kilk, Aleksander** 13th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 14-19, 2013 2013 / p. 249-251 : ill

**Study of failures with 10kv and 35kv voltage transformers**

**Janson, Kuno; Järvik, Jaan; Kalda, Heljut; Šklovski, Jevgeni** The 3rd International Conference Electric Power Quality and Supply Reliability, September 4...6, 2002, Haapsalu, Estonia : proceedings 2002 / p. 133-138 : ill

**Study of partial discharge characteristics in medium voltage cable insulation with internal defect**

**Choudhary, Maninder; Palu, Ivo; Kiitam, Ivar; Shafiq, Muhammad; Taklaja, Paul** 2024 IEEE International Conference on High Voltage Engineering and Applications (ICHVE) 2024 / 4 p <https://doi.org/10.1109/ICHVE61955.2024.10676188>

### **Study of the behaviour of partial discharges for proactive diagnostics in medium voltage cables**

**Shafiq, Muhammad; Kiitam, Ivar; Taklaja, Paul; Parker, Martin; Palu, Ivo; Kütt, Lauri** 2021 IEEE PES/IAS PowerAfrica, PowerAfrica 2021 2021 / p. 1-5 <https://doi.org/10.1109/PowerAfrica52236.2021.9543233>

### **Study of transformer overvoltages under single-phase earth faults in 6...35 kV networks with insulated neutral point [Electronic resource]**

**Janson, Kuno; Järvik, Jaan; Kalda, Heljut; Külm, Evald; Šklovski, Jevgeni** Electric Power Engineering 2003 : 5th International Scientific Conference : January 28-29, 2003, Beskydy Pension, Visalaje, Czech Republic : held by occasion of 25th Anniversary of Department of Electrical 2003 / [17] p. : ill. [CD-ROM]

### **Sujuva reguleerimisega parameetiline pingestabilisaator reguleeritava pingevahemikuga 3...100 V**

**Aasma, A.; Kupri, V.; Vahemetsa, Malle** XXXII üliõpilaste teaduslik-tehnilise konverentsi ettekannete teesid : pühendatud V. I. Lenini 110. sünniaastapäevale : 16.-18. aprill 1980 1981 / lk. 68 [https://www.ester.ee/record=b1322611\\*est](https://www.ester.ee/record=b1322611*est)

### **Super twisting sliding mode control strategy for input series output parallel converters**

**Guler, Naki; Bayhan, Sertac; Fesli, Ugur; Blinov, Andrei; Vinnikov, Dmitri** IEEE Access 2023 / p. 107394-107403  
<https://doi.org/10.1109/ACCESS.2023.3320178> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Supply voltage level optimization in industrial low voltage networks**

**Vinnal, Toomas; Janson, Kuno; Kalda, Heljut; Sakkos, Tiit** PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 149-154 : ill  
<https://ieeexplore.ieee.org/document/6256219>

### **Supply voltage quality in low voltage industrial networks of Estonia**

**Vinnal, Toomas; Janson, Kuno; Järvik, Jaan; Kalda, Heljut; Sakkos, Tiit** Estonian journal of engineering 2012 / p. 102-126 : ill

### **Switch-mode power supplies for plasma-arc systems**

**Soojärv, J.; Dragunov, V.; Tomson, Teolan** BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 373-376: ill

### **Sünkroongeneraatori elektromotoorse jõu ning pingevahemik nurga $\theta$ mõõtmisest**

**Jõudu, Kusta; Buatsidze, Sergei** Üliõpilaste teaduslike tööde kogumik. II 1956 / lk. 61-69 [https://www.ester.ee/record=b2180955\\*est](https://www.ester.ee/record=b2180955*est)  
<https://digikogu.taltech.ee/et/Item/bceb6ff0-b706-4c4d-a5d9-2da3af1e3162>

### **Synthesis and design of power converters with reduced distortions using optimal energy exchange control : [thesis submitted for the degree of Dr. of Engineering of Tallinn Technical University]**

**Sarv, Vello** 1994 [http://www.ester.ee/record=b1065475\\*est](http://www.ester.ee/record=b1065475*est)

### **Synthesis control of charge separation at anatase TiO<sub>2</sub> thin films studied by transient surface photovoltage spectroscopy**

**Dittrich, Thomas; Sydorenko, Jekaterina; Spalatu, Nicolae; Nickel, Norbert H.; Mere, Arvo; Krunks, Malle; Oja Acik, Ilona** ACS applied materials & interfaces 2022 / p. 43163-43170 <https://doi.org/10.1021/acsami.2c09032> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Teaduspreemia tehnikateaduste alal uurimuste tsükli "Uudsed alalispingemuundurid taastuenergeetikas" eest : Dimitri Vinnikov, Tanel Jalakas, Indrek Roasto**

**Vinnikov, Dmitri; Jalakas, Tanel; Roasto, Indrek** Eesti Vabariigi teaduspreemiad 2014 2014 / lk. 64-74 : fot., ill

### **The potential of distribution grid as an alternative source for reactive power control in transmission grid**

**Astapov, Victor; Divshali, Poria; Söder, Lennart** 19th International Scientific Conference on Electric Power Engineering (EPE 2018) : Brno, Czech Republic, 16-18 May, 2018 2018 / p. 64-69 : ill <https://doi.org/10.1109/EPE.2018.8396031>

### **The way of realization of algorithm of formation and estimation of parameters of the group - working standard of variable voltage**

**Baraškova, Tatjana** OST-01 Symposium on Machine Design : Tallinn, Estonia, October 4-5, 2001 : proceedings 2001 / p. 175-181

### **Time dependency of current harmonics for switch-mode power supplies**

**Iqbal, Muhammad Naveed; Kütt, Lauri; Asad, Bilal; Vaimann, Toomas; Rassõlkin, Anton; Demidova, Galina** Applied sciences 2020 / art. 7806, 12 p. : ill <https://doi.org/10.3390/app10217806> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Traceability of voltage and resistance measurements in Estonia**

**Pokatilov, Andrei; Kübarsepp, Toomas** Transverse Disciplines in Metrology : proceedings of the 13th International Metrology Congress : 2007, Lille, France 2009 / p. 533-542 <https://onlinelibrary.wiley.com/doi/abs/10.1002/9780470611371.ch46>

### **Trafo muutub väiksemaks ja nutikamaks : [koostööst TTÜ ja Poola Mereakadeemia teadlaste vahel]**

**Triple-Loop Control Configuration for Grid-Connected LCL-Filtered Inverters Based on Time-Domain Design**

**Elkayam, Moria Sassonker; Vinnikov, Dmitri** 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 6 p. : ill <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227426>

**Tuuletont**

**Tomson, Teolan** Keskkonnatehnika 2004 / 6, lk. 46-47 : ill [https://artiklid.elnet.ee/record=b1017254\\*est](https://artiklid.elnet.ee/record=b1017254*est)

**Two-stage quasi-Z-source network based step-up DC/DC converter**

**Vinnikov, Dmitri; Roasto, Indrek; Strzelecki, Ryszard; Adamowicz, Marek** ISIE 2010 : IEEE International Symposium on Industrial Electronics : Bari, Italy, 4-7 July 2010 2010 / p. 1143-1148 : ill <https://ieeexplore.ieee.org/document/5636562>

**Using Clarke vector approach for stator current and voltage analysis on induction motors with broken rotor bars**

**Vaimann, Toomas; Kallaste, Ants; Kilk, Aleksander** Elektronika ir elektrotehnika = Electronics and electrical engineering 2012 / p. 17-20 : ill

**Using microcontrollers for high accuracy analogue measurements**

**Jaanus, Martin; Udal, Andres; Kukk, Vello; Umbleja, Kadri** Elektronika ir elektrotehnika = Electronics and electrical engineering 2013 / p. 51-54 : ill <https://doi.org/10.5755/J01.eee.19.6.4559> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Utilizing demand response in load modelling for voltage and reactive power control studies**

**Drovtar, Imre; Leinakse, Madis; Tuttelberg, Kaur; Kilter, Jako** IEEE transactions on power systems 2024 / 12 p <https://doi.org/10.1109/TPWRS.2024.3425157>

**Uuring pakub metoodika Eesti võrkudest halva elektri tõrjumiseks [Võrguväljaanne]**

Oidermaa, Jaan-Juhan novaator.err.ee 2022 ["Uuring pakub metoodika Eesti võrkudest halva elektri tõrjumiseks"](#)

**Waveform variation defined model for harmonic current emissions including cross-order supply voltage harmonics influence**

**Daniel, Kamran; Kütt, Lauri; Iqbal, Muhammad Naveed; Shabbir, Noman; Jarkovoi, Marek; Parker, Martin** IEEE Access 2023 / p. 42276-42289 : ill <https://doi.org/10.1109/ACCESS.2023.3270805> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Wide range input current measurement circuit for switching step down DC-DC regulator**

**Mihhailov, Juri; Strik, Sergei** PRIME 2012 : Aachen, Germany : Session TG3—Analog DC 2012 / p. 209-212 : ill <https://ieeexplore.ieee.org/document/6226162>

**Wide range series resonant DC-DC converter with a reduced component count and capacitor voltage stress for distributed generation**

**Bakeer, Abualkasim Ahmed Ali; Chub, Andrii; Blinov, Andrei; Lai, Jih-Sheng** Energies 2021 / art. 2051 <https://doi.org/10.3390/en14082051> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Wind power generation impact on Sõrve peninsula network operation in Saaremaa**

**Bolgov, Viktor; Janson, Kuno; Šklovski, Jevgeni; Palu, Ivo; Laanetu, Margus** PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 175-782 : ill <https://ieeexplore.ieee.org/document/6256223>

**Voltage dips and swells in low voltage networks of Estonia**

**Vinnal, Toomas; Jarkovoi, Marek; Kütt, Lauri** 59th Annual International Scientific Conference on Power and Electrical Engineering : November 12, 13, 2018, Riga Technical University (RTUCON) : conference proceedings 2018 / 6 p. : ill <https://doi.org/10.1109/RTUCON.2018.8659899>

**Voltage inverter on GTO thyristors**

**Pikkov, Mihhail** BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 487-488 : ill

**Voltage ratio error estimation in ratio transformers**

**Jõers, Rein; Peterson, Jaak** Analysis and synthesis of complicated systems and circuits with the aid of computers 1989 / p. 53-58

**Volt-time characteristics of medium voltage overhead line porcelain pin insulators**

**Taklaja, Paul; Hyvönen, Petri; Niitsoo, Jaan; Palu, Ivo; Klüss, Joni; Kütt, Lauri** 14th International Scientific Conference on Electric Power Engineering 2013 : Kouty nad Desnou, Czech Republic, 28 – 30 May 2013 : proceedings 2013 / p. 423-427

**Üle 1 kV tugevvoolupaigaldistele uued standardid**

**Анализ многоступенчатых бинарных индуктивных делителей напряжения**

**Peterson, Jaak** Тезисы докладов республиканской научно-технической конференции, посвященной 80-летию со дня изобретения радио А. С. Поповым 1975 / с. 77 [https://www.ester.ee/record=b1322122\\*est](https://www.ester.ee/record=b1322122*est)

**Анализ погрешностей индуктивного делителя напряжения с секцией связи**

**Peterson, Jaak** Труды по электротехнике и автоматике : сборник статей. 13 1975 / с. 119-127  
[https://www.ester.ee/record=b2190710\\*est](https://www.ester.ee/record=b2190710*est) <https://digikogu.taltech.ee/et/Item/ffbd63ed-06d6-4bbb-9468-118f743cc87f>

**Анализ схем компенсации реактивной мощности и улучшения качества напряжения в системе электроснабжения машиностроительного завода**

**Janson, Kuno** Исследование электрических машин и электромагнитных устройств специального назначения 1983 / с. 65-74 : ил [https://www.ester.ee/record=b1271915\\*est](https://www.ester.ee/record=b1271915*est) <https://digikogu.taltech.ee/et/Item/d1676714-579b-4ec9-949f-401ab84c5a70>

**Анализ точности и быстродействия автоматически коммутируемых индуктивных делителей напряжения**

**Peterson, Jaak** Тезисы докладов республиканской научно-технической конференции, посвященной Дню радио. [1], Секция: Информационно-измерительная техника 1981 / с. 5-6 [https://www.ester.ee/record=b1310782\\*est](https://www.ester.ee/record=b1310782*est)

**Влияние импеданса ключей на погрешности коммутируемых индуктивных делителей напряжения**

**Peterson, Jaak** Расчет и проектирование измерительных преобразователей 1983 / с. 11-17 : ил  
[https://www.ester.ee/record=b1288985\\*est](https://www.ester.ee/record=b1288985*est) <https://digikogu.taltech.ee/et/Item/4e3815a3-f217-4ae2-9776-1b5ea3c25959>

**Вопросы автоматизации калибраторов напряжения**

**Mägi, Harri; Rebane, Raul-Vello; Rüstern, Ennu; Hunt, I.** Тезисы докладов научно-технической конференции, посвященной Дню радио 1974 / с. 28-29 [https://www.ester.ee/record=b1294751\\*est](https://www.ester.ee/record=b1294751*est)

**Высокоомный ламповый вольтметр для измерений под напряжением**

**Sügis, Anatol** Сборник статей по химии и химической технологии. 8 1962 / с. 135-137 [https://www.ester.ee/record=b2181584\\*est](https://www.ester.ee/record=b2181584*est)  
<https://digikogu.taltech.ee/et/Item/6ec4da4c-96e0-445e-b789-9dde4bb0db38>

**Двенадцатипульсный преобразователь переменного напряжения в режиме устройства частоты : препринт**

**Sakkos, Heinar; Sakkos, Tiit** 1991 [https://www.ester.ee/record=b1235621\\*est](https://www.ester.ee/record=b1235621*est)

**Двухфазно управляемые трехфазные многопульсные преобразователи переменного напряжения**

**Sakkos, Heinar; Sakkos, Tiit** Техническая электродинамика 1990 / 1, с. 57-62

**Дисперсия при измерении среднеквадратичного значения напряжения шума**

**Eiskop, Ilmar; Tammet, Heinar** Теоретические основы методов и приборов измерения параметров слабых сигналов 1978 / с. 15-18 : ил [https://www.ester.ee/record=b1507107\\*est](https://www.ester.ee/record=b1507107*est) <https://digikogu.taltech.ee/et/Item/1524861c-27a1-4936-be6e-31160db82c3b>

**Долгосрочное прогнозирование электрических нагрузок при ведении горностроительных работ**

**Belitski, Valeri; Plaššanski, L.A.** Автоматизированные системы управления электроснабжением горных предприятий : [Сборник] 1978 / с. 14-15

**Инвертор напряжения на базе запираемых тиристоров**

**Pikkov, Mihhail** Automation, simulation & measurement : ASM'91 : 3rd biennial conference, Tallinn, October 7-11, 1991. Section A. Section M / Tallinn Technical University 1992 / с. 151-155: ил

**Исследование влияния параметров коммутационных элементов на метрологические характеристики индуктивных делителей напряжения : автореферат ... кандидата технических наук (05.11.05)**

**Peterson, Jaak** 1979 [https://www.ester.ee/record=b1537640\\*est](https://www.ester.ee/record=b1537640*est)

**Исследование схемы балансного диодного регенеративного компаратора напряжений**

**Pikkov, Otto** Автоматика и вычислительная техника : [сборник статей] 1966 / с. [?] [https://www.ester.ee/record=b2083934\\*est](https://www.ester.ee/record=b2083934*est)

**Исследование централизованного регулирования напряжения на основе статистического анализа оптимальных режимов распределительной сети**

**Sirkel, Rein; Tiigimägi, Eeli** Энергетические системы : сборник статей. 5 1974 / с. 41-46 [https://www.ester.ee/record=b2190662\\*est](https://www.ester.ee/record=b2190662*est)  
<https://digikogu.taltech.ee/et/Item/11c437c8-2c10-4297-aa20-712c96721051>

**Исследование частотных и импульсных характеристик индуктивного делителя напряжения : диссертация ... кандидата технических наук**

**Eiskop, Ilmar** 1969 [http://www.ester.ee/record=b2411163\\*est](http://www.ester.ee/record=b2411163*est)

**Исследование электрической прочности некоторых фторсодержащих жидкостей при низких давлениях и температурах**

**Annus, Aleksander; Metusala, Tiit; Spirka, V.** Электрические машины и аппараты 1971 / с. 169-172 : илл  
[https://www.ester.ee/record=b2083966\\*est](https://www.ester.ee/record=b2083966*est)

**К учету допустимых отклонений напряжения при оптимизации нормальных режимов распределительных сетей**  
**Raesaar, Peeter; Seier, Gustav** Энергетические системы : сборник статей. 5 1974 / с. 65-69

[https://www.ester.ee/record=b2190662\\*est](https://www.ester.ee/record=b2190662*est) <https://digikogu.taltech.ee/et/Item/11c437c8-2c10-4297-aa20-712c96721051>

**Коммутационные погрешности многоступенчатых индуктивных делителей напряжения**

**Peterson, Jaak** Труды по электротехнике и автоматике : сборник статей. 11 1973 / с. 163-170 : илл

[https://www.ester.ee/record=b2190624\\*est](https://www.ester.ee/record=b2190624*est) <https://digikogu.taltech.ee/et/Item/d6e57925-e104-44e1-a218-c5b3110d9996>

**Коммутационные процессы в индуктивных делителях напряжения**

**Peterson, Jaak** Труды по электротехнике и автоматике : сборник статей. 13 1975 / с. 111-118 : илл

[https://www.ester.ee/record=b2190710\\*est](https://www.ester.ee/record=b2190710*est) <https://digikogu.taltech.ee/et/Item/ffbd63ed-06d6-4bbb-9468-118f743cc87f>

**Координация напряжений перекрытия и пробоя стеклянных изоляторов 6-20 кВ при грозовых импульсах**

**Annus, Aleksander; Grossman, Otto; Metusala, Tiit; Oidram, Rein; Tarupere, Olev** Грозозащита в районах с высоким удельным сопротивлением грунта : [материалы заседания "Научные основы электрофизики и электроэнергетики", 8-10 сент. 1980 г.] 1981 / с. 92-97 [https://www.ester.ee/record=b4501385\\*est](https://www.ester.ee/record=b4501385*est)

**Математические модели и методы анализа трансформаторных делителей напряжения : автореферат ... кандидата технических наук (05.11.05)**

**Jõers, Rein** 1982 [https://www.ester.ee/record=b2340399\\*est](https://www.ester.ee/record=b2340399*est)

**Методы оценок ковариаций при измерении переменного напряжения**

**Baraškova, Tatjana** Системы обработки інформації 2006 / с. 7-10

**Многопульсные трехфазные преобразователи переменного напряжения с двухфазной системой управления : препринт**

**Sakkos, Heinar; Sakkos, Tiit** 1990 [https://www.ester.ee/record=b1275285\\*est](https://www.ester.ee/record=b1275285*est)

**Напряжение на нагрузке и коэффициент усиления магнитного усилителя, работающего на противо-э.д.с.**

**Davõdov, Igor** Электромеханика. 3 1970 / с. 3-8 : илл [https://www.ester.ee/record=b2189951\\*est](https://www.ester.ee/record=b2189951*est)

<https://digikogu.taltech.ee/et/Item/ba0097d6-af8f-4557-96a1-ac545e315074/>

**Нелинейные делители напряжения с широтно-импульсной модуляцией**

**Rebane, Raul-Vello; Rüstern, Ennu** Тезисы докладов научно-технической конференции, посвященной Дню радио 1974 / с. 16-17 [https://www.ester.ee/record=b1294751\\*est](https://www.ester.ee/record=b1294751*est)

**Низкочастотные погрешности многоступенчатых индуктивных делителей напряжения**

**Jõers, Rein** Труды по электротехнике и автоматике : сборник статей. 11 1973 / с. 117-126 : илл

[https://www.ester.ee/record=b2190624\\*est](https://www.ester.ee/record=b2190624*est) <https://digikogu.taltech.ee/et/Item/d6e57925-e104-44e1-a218-c5b3110d9996>

**О влиянии разделительного конденсатора на работу синхронного детектора**

**Korsen, Viljo** Тезисы докладов научно-технической конференции, посвященной Дню радио 1974 / с. 37-38

[https://www.ester.ee/record=b1294751\\*est](https://www.ester.ee/record=b1294751*est)

**О возможности измерения действующего значения напряжения посредством простых диодных детекторов**

**Tamm, Uljas** Доклады Научно-технической конференции по итогам научно-исследовательских работ за 1968-1969 г. (Апр. 1970 г.): Секция автоматики, вычислительной и измерительной техники. Подсекция измерительной техники 1969 / с. 64-70

**О допустимом понижении влагоразрядного напряжения загрязненных изоляторов 10 кВ при рабочем напряжении**

**Oidram, Rein** Тезисы рабочего совещания IV секции Научного Совета по теоретическим и электрофизическим проблемам повышения надежности и долговечности изоляции сетей с изолированной нейтралью 1981 / с. 75-78

[https://www.ester.ee/record=b1326763\\*est](https://www.ester.ee/record=b1326763*est)

**О погрешности детектора действующих значений со скользящим смещением, обусловленной пульсациями и флуктуациями выходного напряжения**

**Tamm, Uljas** Известия высших учебных заведений. Приборостроение 1973 / с. 24-27 [https://www.ester.ee/record=b3249125\\*est](https://www.ester.ee/record=b3249125*est)

**О погрешности квазиквадратичного детектора при измерении действующего значения малоискаженного синусоидального напряжения**

**Niine, Ülo; Tamm, Uljas** Автометрия 1973 / с. 89-93 : илл [https://www.ester.ee/record=b1515133\\*est](https://www.ester.ee/record=b1515133*est)

#### **О расчете активных электрических нагрузок с применением вычислительных средств**

**Risthein, Endel** Промышленная энергетика : ежемесячный производственно-технический журнал 1980 / с. 22-23 : илл  
[https://www.ester.ee/record=b2151157\\*est](https://www.ester.ee/record=b2151157*est)

#### **О целесообразности увеличения обратного напряжения силовых кремниевых диодов**

**Vaher, G.; Tarma, Mati** Применение эпитаксиальной технологии в производстве силовых полупроводниковых приборов : сборник материалов Всесоюзного научно-технического семинара. Часть 1 1978 / с. 21-24  
[https://www.ester.ee/record=b1273235\\*est](https://www.ester.ee/record=b1273235*est)

#### **Об одной возможности воспроизведения функций двух переменных**

**Viira, Tarmo** Энергетические системы : сборник статей. 3 1969 / с. 23-30 : илл [https://www.ester.ee/record=b2183089\\*est](https://www.ester.ee/record=b2183089*est)  
<https://digikogu.taltech.ee/et/Item/5c34d1a9-5ba8-40b8-81f9-efa3dc9c672a/>

#### **Об определении пробивного напряжения стеклянных линейных штыревых изоляторов**

**Metusala, Tiit; Tapupere, Olev; Oidram, Rein; Annus, Aleksander; Grossman, Otto** Известия высших учебных заведений. Энергетика : ежемесячный научно-технический журнал 1977 / с. 21-25 [https://www.ester.ee/record=b2715666\\*est](https://www.ester.ee/record=b2715666*est)

#### **Оптимальный закон централизованного регулирования напряжения в распределительной сети**

**Sirkel, Rein; Tiigimägi, Eeli** Тезисы докладов республиканской научно-технической конференции "Состояние и проблемы электрификации сельского хозяйства Эстонской ССР в 1971-1975 гг." : 20-22 апреля 1971 г., посвященной XXIV съезду КПСС 1971 / с. 96-100 [https://www.ester.ee/record=b1409889\\*est](https://www.ester.ee/record=b1409889*est)

#### **Оценка колебаний напряжения сети по характеристике реактивной составляющей тока источника питания дуговой нагрузки**

**Janson, Kuno** Исследование электромашинных и электромагнитных устройств управления и контроля специального назначения 1989 / с. 3-9

#### **Оценка погрешности детектора действующих значений со скользящим смещением от формы кривой измеряемого напряжения**

**Tamm, Uljas; Hartšenko, R.** Автометрия 1969 / с. 123-126 : илл [https://www.ester.ee/record=b1515133\\*est](https://www.ester.ee/record=b1515133*est)

#### **Переходная характеристика индуктивных делителей напряжения**

**Jõers, Rein; Sillamaa, Hanno; Eiskop, Ilmar** Известия высших учебных заведений. Приборостроение 1970 / с. 26-30  
[https://www.ester.ee/record=b3249125\\*est](https://www.ester.ee/record=b3249125*est)

#### **Погрешности многоступенчатых индуктивных делителей напряжения от переходного сопротивления коммутационных элементов**

**Peterson, Jaak** Труды по электротехнике и автоматике : сборник статей. 11 1973 / с. 155-161 : илл  
[https://www.ester.ee/record=b2190624\\*est](https://www.ester.ee/record=b2190624*est) <https://digikogu.taltech.ee/et/Item/d6e57925-e104-44e1-a218-c5b3110d9996>

#### **Разность напряжений база-эмиттер дифференциальных пар биполярных транзисторов**

**Gurjanov, Boriss; Järvalt, Aldur** Труды по электротехнике и автоматике : сборник статей. 14 1976 / с. 45-48 : илл  
[https://www.ester.ee/record=b2190768\\*est](https://www.ester.ee/record=b2190768*est) <https://digikogu.taltech.ee/et/Item/aa35e320-87b1-405b-9cac-3b90c51867d1>

#### **Разработка и исследование статического преобразователя напряжения для трамвая**

**Vinnikov, Dmitri** Силовая электроника и энергоэффективность : международная научно-техническая конференция (МНТК СЭЭ'2002) 2002 / ? р

#### **Расчет токов, напряжений и их симметричных составляющих трехфазной несимметричной машины**

**Jänes, Hans; Kont, Alar** XX научная конференция, посвященная 25-летию Эстонской ССР 18-22 мая 1965 г. : тезисы и резюме 1965 / с. 76 [https://www.ester.ee/record=b1359832\\*est](https://www.ester.ee/record=b1359832*est)

#### **Расчетное исследование колебаний температуры и термических напряжений при переходном режиме кипения в трубном пучке**

**Vares, Villu; Klevtsov, Ivan; Kruus, Rein; Käär, Harri; Mikk, Ilmar** Проблемы работы котельных установок тепловых электростанций 1983 / с. 49-55 : ил [https://www.ester.ee/record=b1286798\\*est](https://www.ester.ee/record=b1286798*est) <https://digikogu.taltech.ee/et/Item/0d56b840-b3dc-4df9-823e-4c96cd509e77>

#### **Регулирование производительности индукционных насосов путем изменения частоты и напряжения**

**Irs, Rein; Külm, Evald; Tiismus, Hugo** Исследование и проектирование электромагнитных средств перемещения жидких металлов : сборник трудов. 10 1973 / с. 67-82 : илл [https://www.ester.ee/record=b2100340\\*est](https://www.ester.ee/record=b2100340*est)  
<https://digikogu.taltech.ee/et/Item/3679d56d-2e5b-40d9-8ecf-23936b94edb5>

#### **Регулятор-стабилизатор напряжения на базе управляемого реактора последовательного включения**

**Reiner, Ardi; Järvik, Jaan** XX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР : тезисы докладов. Часть 1 1974 / с. 164-165 [https://www.ester.ee/record=b1306141\\*est](https://www.ester.ee/record=b1306141*est)

**Регулятор-стабилизатор напряжения на базе управляемого реактора с аксиальным магнитным потоком**

Reiner, Ardi; Järvik, Jaan Электромеханика. 6 1977 / с. 63-74 : илл [https://www.ester.ee/record=b1302801\\*est](https://www.ester.ee/record=b1302801*est)  
<https://digikogu.taltech.ee/et/Item/6ab0904b-cf1e-45cf-ad41-35a18abdb479>

**Решение одной задачи стохастического распределения нагрузок в энергетической системе на аналоговой вычислительной машине**

Lelumees, Heino Энергетические системы : сборник статей. 3 1969 / с. 15-21 : илл [https://www.ester.ee/record=b2183089\\*est](https://www.ester.ee/record=b2183089*est)  
<https://digikogu.taltech.ee/et/Item/5c34d1a9-5ba8-40b8-81f9-efa3dc9c672a/>

**Сравнение компенсаторов реактивной мощности и путей улучшения качества напряжения в сетях с дугowymi сталеплавильными печами**

Janson, Kuno; Järvik, Jaan Проблемы электромагнитной совместимости силовых полупроводниковых преобразователей : тезисы докладов второго межведомственного научно-технического совещания 1982 / с. 125-126  
[https://www.ester.ee/record=b1309144\\*est](https://www.ester.ee/record=b1309144*est)

**Сравнение путей и методов компенсации реактивной мощности и улучшения качества напряжения в сетях с дугowymi сталеплавильными печами**

Janson, Kuno; Järvik, Jaan Interference v energetice : sborník přednášek [z konference poř.] ČÚV elektrotechn. společ. ČSVTS... [aj.] 31. 8.-2. 9. 1982 v Ostravě 1982 / s. 201-208

**Схема измерения эквивалентного шумового напряжения биполярного транзистора**

Tammet, Heinar Теоретические основы методов и приборов измерения параметров слабых сигналов 1978 / с. 19-22 : илл  
[https://www.ester.ee/record=b1507107\\*est](https://www.ester.ee/record=b1507107*est) <https://digikogu.taltech.ee/et/Item/1524861c-27a1-4936-be6e-31160db82c3b>

**Тиристорный преобразователь напряжения : методическое руководство по курсовому проектированию**

1985 [https://www.ester.ee/record=b1227206\\*est](https://www.ester.ee/record=b1227206*est)

**Точность деления среднего значения импульсного напряжения**

Peterson, Jaak Труды по электротехнике и автоматике : сборник статей. 14 1976 / с. 63-68 : илл  
[https://www.ester.ee/record=b2190768\\*est](https://www.ester.ee/record=b2190768*est) <https://digikogu.taltech.ee/et/Item/aa35e320-87b1-405b-9cac-3b90c51867d1>

**Трёхуровневый квази-импедансный инвертор с новым методом модуляции**

Husev, Oleksandr; Stepenko, Serhii; Clemente, C.; Kadaval, E.; Vinnikov, Dmitrii Технічна електродинаміка : тематичний випуск : силова електроніка та енергоефективність 2012 / с. 47-52 : ил

**Универсальный по напряжению синхронный генератор**

Удинцев, Дмитрий; Гнатюк, Виктор 35 научная конференция студентов втузов Эстонии, Латвии, Литвы, Белоруссии и Молдовы : [Таллинн, 1991] : доклады. Секция электромеханики. Секция электроэнергетики 1991 / с. 44-47: ил

**Установка для записи вольтамперных и вольтфарадных характеристик р-п-переходов**

Gavrilov, Aleksei Физическая химия соединений A/III/B/IV/ 1987 / с. 49-54

**Устройство для измерения среднего значения амплитуды установившегося напряжения**

Бамбизов, Александр; Сугаков, Валерий 35 научная конференция студентов втузов Эстонии, Латвии, Литвы, Белоруссии и Молдовы : [Таллинн, 1991] : доклады. Секция электромеханики. Секция электроэнергетики 1991 / с. 48-51: ил

**Учет вероятностного характера нагрузок при расчете электрических сетей методом узловых напряжений**

Tiigimägi, Eeli Энергетические системы : сборник статей. 3 1969 / с. 3-6 [https://www.ester.ee/record=b2183089\\*est](https://www.ester.ee/record=b2183089*est)  
<https://digikogu.taltech.ee/et/Item/5c34d1a9-5ba8-40b8-81f9-efa3dc9c672a/>

**Частотная характеристика индуктивного делителя напряжения**

Eiskop, Ilmar; Sillamaa, Hanno Вопросы радиоэлектроники, Серия "Радиоизмерительная техника" (РИТ) : научно-технический сборник 1968 / с. 98-104 : рис [https://www.ester.ee/record=b2748441\\*est](https://www.ester.ee/record=b2748441*est)