

**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 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

**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 pingele tunnussuured = 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 pingele tunnussuured = 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 pingetunnussuured = 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 pingetunnussuured [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 pingetunnussuured [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 pingetunnussuured [Võrguteavik] = Voltage characteristics of electricity supplied by public electricity networks**

2019

**Battery charger load-following controller for over-voltage and under-voltage conditions**

**Shahid, Arqum;** Manzoor, Sajjad; Khan, Uzair; Majeed, Afraz Hussain; Khan, Ilyas; Mohamed, Abdullah *Frontiers in Energy Research* 2023 / art. 1239271 <https://doi.org/10.3389/fenrg.2023.1239271>

**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 / 13 p <https://doi.org/10.1109/MIE.2023.3252265>

**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 parital 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](https://www.gsfmt.ee/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 Engineering (EPE) 2023 / 5 p <https://doi.org/10.1109/EPE58302.2023.10149279>

**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

**CENELEC standardpinged = 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>

## **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>

## **Contribution of nano- and microgrids to topological power plants regarding voltage and frequency control = Nano- ja mikrovõrkude mõju topoloogilistele elektriamaadele 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 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 pingele 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)

## **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**

**Beglyaryan, 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](http://www.gsfmt.ee/abstracts2022)

## **Development of national standard for voltage unit based on solid-state references = Pingele 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.epr.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/search/result?query=IECON49645.2022.9968509)

## **Eesti ettevõtete elektritarbimise uurimine ja soovitude 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]

**Hürmeydan, 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; **Abdel-Rahim, Omar**; Gaafar, Mahmoud A.; Orabi, Mohamed; **Chub, Andrii; Blinov, Andrei; Vinnikov, Dmitri** 2022 IEEE 7th International Energy Conference (ENERGYCON) 2022 / 6 l. <https://doi.org/10.1109/ENERGYCON53164.2022.9830255>

### 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 : kaitstesüsteemide 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 : kaitstesüsteemide 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 : kaitstesüsteemide 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 : kaitstesüsteemide 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 [Võrguteavik] : kaitstesüsteemide 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] : kaitstesüsteemide 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] : kaitstesüsteemide katsetus-, mõõte- ja seireseadmed. Osa 4, Maandusjuhtide ja potentsiaaliühtlustusjuhtide 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, Rikkevoolukaitseseaparatuuride 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**

Raesaar, 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

### **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>

### **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

### **Guidelines for power quality monitoring – results from CIGRE/CIREC 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 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

### **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 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 2009 / p. 57-60 : ill <http://eeeic.org/proc/papers/109.pdf>

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

Baimel, Dmitry; 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.; Mehri-Sani, Ali IET renewable power generation 2023 / p. 725-749 <https://doi.org/10.1049/rpg2.12630>

### **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>

### **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>

### **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

## Kaitseparaadid

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)

## 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 koormusülilid 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)

Kõrgepingejaotla ja juhtimisaparatuur. Osa 108, Kõrgepinge vahelduvvoolu lahk-võimsusülilid 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 lülitus- ja juhtimisaparatuur. Osa 1, Vahelduvvoolu lülitus- 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 lülitus- ja juhtimisaparatuur. Osa 1, Vahelduvvoolu lülitus- 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 Pingering 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 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

#### **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; Kalyuzhniy, Dmitry; **Bolgov, Viktor**; **Kütt, Lauri** Przeglad 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.epr.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 Ghavipankeh**; **Vinnikov, Dmitri**; Hosseini, Seyyed Hossein IEEE transactions on industrial electronics 2023 / p. 7913-7923 <https://doi.org/10.1109/TIE.2022.3215832>

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

**Vosoughi Kurdkandi, Naser**; **Marangalu, Milad Ghavipankeh**; **Mohammadsalehian, Shamim**; **Tarzanmi, 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>

#### **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>

#### **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-connected boost converters with variable loads using converted hysteresis sliding mode controller**

Zolfaghari, Mahdi; Zolfaghari, A.; **Gharehpetian, Gevork B.; Ahmadiyahangar, 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>

#### **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

### **Pingekvaliteet elektrituulikuid 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>

### **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>

### **Pöörväljatrafoga plasmotroni toitesead**

**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)

### **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 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 suurendamise 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)

### **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](#) [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 pingega generaator füüsika praktikumi jaoks**

**Golubkov, J.; Veimer, Vladimir** XXII 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 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>

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

**Aasma, A.; Kupri, V.; Vahemetsa, Malle** XXII 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 / 10 p <https://doi.org/10.1109/ACCESS.2023.3320178>

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

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

**Sünkroongeneraatori elektromotoorse jõu ning pingega vahelise 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 2018 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](#)

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

Imeline Teadus 2014 / lk. 101

## **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)

## **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

## **Uuring pakub meetoodika Eesti võrkudest halva elektri tõrjumiseks [Võrguväljaanne]**

Oidermaa, Jaan-Juhan novaator.err.ee 2022 ["Uuring pakub meetoodika 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 <https://doi.org/10.1109/ACCESS.2023.3270805>

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

**Mikhailov, 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>

**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 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)

**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)

**Дисперсия при измерении среднеквадратичного значения напряжения шума**

**Eiskop, Ilmar; Tammet, Heinar** Теоретические основы методов и приборов измерения параметров слабых сигналов 1978 / с. 15-18 : 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>

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

**Belitski, Valeri; Plaštšanski, 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/ffb63ed-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**

**Varaškova, Tatjana** Системи оброботки інформації 2006 / с. 7-10

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

**Sakkos, Heinar; Sakkos, Tiiu** 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 противоз.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; Tarupere, 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 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>

**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)

**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 дуговыми 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)

**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, Dmitri** Технічна електродинаміка : тематичний випуск : силова електроніка та енергоефективність 2012 / с. 47-52 : 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)