

A new low-distorting single-phase diode rectifier employing optimum ripple-power conversion

Sakkos, Tiit; Sarv, Vello 5th International Conference : Electric Power Quality and Supply Reliability : August 23-26, 2006, Viimsi, Estonia : conference proceedings 2006 / p. 23-26 : ill

A set of large time-step integration formulas

Kukk, Vello ECS'03 : proceedings of the 4th Electronic Circuits and Systems Conference : September 11-12, 2003, Bratislava, Slovakia 2003 / p. 151-154 : ill

A tool for advanced learning of LFSR-based testing principles

Jutman, Artur; Tšertov, Anton; Ubar, Raimund-Johannes 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. 175-178 : ill

Advanced course of power electronics : laboratory works

Jalakas, Tanel; Vodovozov, Valery; Vinnikov, Dmitri 2008 https://www.ester.ee/record=b2375135*est

An overview about electronic baby monitors used in sleep medicine [Võrguteavik] : data acquisition methods and electronic sensing principles

Kala, Raul; Min, Mart 2021 https://www.ester.ee/record=b5406071*est <https://digikogu.taltech.ee/et/Item/80428984-68a6-4f6c-94d1-f901b1248618>

An RF power detector

Koort, Marko; Kängsep, Eiko; Kukk, Vello ECS'03 : proceedings of the 4th Electronic Circuits and Systems Conference : September 11-12, 2003, Bratislava, Slovakia 2003 / p. 175-178 : ill

Analysis of series partial power converter in transient and steady-state operation modes

Hassanpour, Naser 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. 51-52 https://www.ester.ee/record=b5504019*est

Andursignaalide töötlemine ja andursüsteemid : metoodiline juhend

1989 https://www.ester.ee/record=b1240066*est

Andursignaalide töötlemine ja andursüsteemid : metoodiline juhend

1988 https://www.ester.ee/record=b1239930*est

Automatic system for testing of dynamic quality of PC plug-in A/D boards

Pokorny, Martin; Roztocil, Jaroslav; Haasz, Vladimir BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 61-62: ill

CMS drift tubes sector collector relocation phase 1 upgrade [Electronic resource]

Bedoya, C. F.; Jutman, Artur; Shibin, Konstantin; Devadze, Sergei 2015 http://cms.cern.ch/iCMS/jsp/openfile.jsp?type=DN&year=2015&files=DN2015_011.pdf

Comparative evaluation of a new flying capacitor-based buck-boost converters for universal application

Hemmati Shahsavari, Tala 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. 65-66 : ill https://www.ester.ee/record=b5504019*est

Comparison of isolated boost full-bridge converters for power factor correction application

Zinchenko, Denys 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. 125-126 : ill https://www.ester.ee/record=b5291755*est

Concept of wireless low-voltage DC socket for the residential house application

Shevchenko, Viktor; Husev, Oleksandr; Pakhaliuk, Bohdan; Vinnikov, Dmitri; Strzelecki, Ryszard IEEE Access 2024 / p. 143226-143236 <https://doi.org/10.1109/ACCESS.2024.3471691> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Current-mode rectifier with improved precision

Männama, Vello; Wilson, B. Electronics letters 1995 / 4, p. 247-248: ill

DC grid interface converter based on three-phase isolated matrix topology with phase-shift modulation

Emiliani, Pietro; Blinov, Andrei; Chub, Andrii; de Carne, Giovanni; **Vinnikov, Dmitri** 2022 IEEE 13th International Symposium on Power Electronics for Distributed Generation Systems (PEDG) 2022 / 6 l. <https://doi.org/10.1109/PEDG54999.2022.9923256>

Decentralized control of a UPS systems operating in parallel

Strzelecki, Ryszard; Vinnikov, Dmitri BEC 2008 : 2008 International Biennial Baltic Electronics Conference : proceedings of the 11th

Design of RF power detector

Koort, Marko; Kukk, Vello; Kängsep, Eiko Proceedings of the European Conference on Circuit Theory and Design ECCTD'03 : Krakow, Poland, September 1-4, 2003. 2 2003 / p. 273-276

Digital twin development of an EV-permanent magnet synchronous motor as a virtual torque sensor

Mohamed, Mahmoud Ibrahim Hassanin 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. 23-24
https://www.ester.ee/record=b5504019*est

Electronic systems of motor drive

Vodovozov, Valery; Vinnikov, Dmitri 2008 http://www.ester.ee/record=b2384912*est

Elektrijamite elektroonsed süsteemid

Vodovozov, Valery; Vinnikov, Dmitri; Jansikene, Raik 2008 http://www.ester.ee/record=b2384926*est

Elektronseadised : laboratoorsete tööde juhend

1972 https://www.ester.ee/record=b1327713*est

Elektronseadised : laboratoorsete tööde juhend

1980 https://www.ester.ee/record=b1266881*est

Elektroonika komponendid : loengukonspekt

Kasemaa, Argo 2003 http://www.ester.ee/record=b1782506*est

Elektroonika. I, Abimaterjalid elektronseadmete kursuseprojektide tegemiseks

1974 https://www.ester.ee/record=b1310565*est

Estimation of an average interconnection length

Tetelbaum, Alexander Y. BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 129-132

Five-Stage, Power Efficient, Dual Rail, 100MHz, 10dB Programmable Gain Amplifier with Down-Stepping Functions in 28nm CMOS

Kampus, Vahur; Teschner, Robert; Gaier, Ulrich; Linder, Thomas; Nössing, Gerhard; Trojer, Martin IEEE International Symposium on Circuits and Systems (ISCAS), Sapporo, Japan, 26-29 May 2019 : proceedings 2019 / p. 1-5
<https://doi.org/10.1109/ISCAS.2019.8702077>

Fototundliku indiumantimoniidi p-n siirete optimaalse konstruktsiooni arvutamine

Buldakov, O.; Gavrilov, Aleksei XXXII üliõpilaste teaduslik-tehnilise konverentsi ettekannete teesid : pühendatud V. I. Lenini 110. sünniaastapäevale : 16.-18. aprill 1980 1981 / lk. 71 https://www.ester.ee/record=b1322611*est

G-GPU : a fully-automated generator of GPU-like ASIC accelerators

Perez, Tiago Diadami; Gonçalves, Marcio M.; Gobatto, Leonardo; Brandalero, Marcelo; Azambuja, Jose Rodrigo; Pagliarini, Samuel Nascimento 2022 Design, Automation & Test in Europe Conference & Exhibition (DATE 2022) : proceedings 2022 / p. 544 - 547 <https://doi.org/10.23919/DATE54114.2022.9774758>

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](#)

Heightened cyber vulnerability to patients with cardiac implantable electronic devices

Torgersen, Leanne N.S.; Whitaker, Rupert E.D.; **Lugo, Ricardo Gregorio; Sütterlin, Stefan;** Schulz, Stefan M. HCI International 2023 Posters : 25th International Conference on Human-Computer Interaction, HCI 2023, Copenhagen, Denmark, July 23–28, 2023, Proceedings, Part I 2023 / p. 519-528 https://doi.org/10.1007/978-3-031-35989-7_66 [Conference Proceedings at scopus](#) [Article at Scopus](#)

Improving the reliability of underwater gait analysis using wearable pressure and inertial sensors

Monoli, Cecilia; Galli, Manuela; **Tuhtan, Jeffrey Andrew** PLoS One 2024 / e0300100, 15 p
<https://doi.org/10.1371/journal.pone.0300100> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

IST project REASON : handbook of testing electronic systems

Novak, Ondrej; Gramatova, Elena; **Ubar, Raimund-Johannes** IEEE Proceedings of the 5th European Dependable Computing Conference : EDCC-5 : Budapest, 2005 2005 / p. 15-18

Joonised õppeainete "Elektronjuhtimisseadmed" ning "Elektriaparaadid ja automatiseerimise vahendid" loengukonspekti juurde

1981 https://www.ester.ee/record=b1312241*est

Jõuelektroonika : laboratoorsete tööde juhendid

Jalakas, Tanel; Jansikene, Raik 2008 http://www.ester.ee/record=b2375029*est

Jõuelektroonika erikursus : laboratoorsete tööde juhendid

Jalakas, Tanel 2008 http://www.ester.ee/record=b2375053*est

Lidar-camera semi-supervised learning for semantic segmentation

Caltagirone, Luka; Bellone, Mauro; Svensson, Lennart; Wahde, Mattias; Sell, Raivo Sensors 2021 / art. 4813

<https://doi.org/10.3390/s21144813> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Low quiescent current LDO with improved load transient

Strik, Sergei; Strik, Viktor BEC 2008 : 2008 International Biennial Baltic Electronics Conference : proceedings of the 11th Biennial Baltic Electronics Conference : Tallinn University of Technology : October 6-8, 2008, Tallinn, Estonia 2008 / p. 127-130

Model-based analysis of secure and patient-dependent pacemaker monitoring system

Tsiopoulos, Leonidas; Kuusik, Alar; Vain, Jüri; Bahsi, Hayrettdin Body Area Networks. Smart IoT and Big Data for Intelligent Health : 15th EAI International Conference, BODYNETS 2020, Tallinn, Estonia, October 21, 2020 : proceedings 2020 / p. 77-91

https://doi.org/10.1007/978-3-030-64991-3_6 Journal metrics at scopus Article at Scopus

Mõningaid tendentse elektronseadmete projekteerimise automatiseerimises

Laksberg, Edgar; Ratassepp, Jaak Side. Raadio. Televisioon : infoseeria 10 1979 / lk. 14-18

https://www.ester.ee/record=b1232303*est

A new, non-invasive fish backpack biollogger to measure the physical conditions experienced byswimming fish during downstream passage

Wagner, Falko; Busch, Andre; Buysse, David; Hoerner, Stefan; Kenndorf, Moritz; Pouwels, Ine; Rössger, Tom; Roth, Marcio Salgueiro; Schletterer, Martin; Stamm, Jürgen; Toming, Gert; Tuhtan, Jeffrey Andrew Fish Passage 2022 : Opportunities and Innovation in a Changing World : 13–16 June 2022 2022 / p. 147 https://fishpassage.fisheries.org/wp-content/uploads/sites/57/2022/08/FPC_Program_YouTube-Links.pdf

A novel approach for aquatic gait analysis using wearable inertial and hydrodynamic pressure sensors = Uudne

lähenemisviis veealuse kõnnaku analüüsiks, kasutades kantavaid inertsiaalseid ja hüdrodünaamilisi rõhuandureid

Monoli, Cecilia 2024 https://www.ester.ee/record=b5685206*est <https://digikogu.taltech.ee/et/Item/f6ca5db2-99f6-48c2-98f8-c6ae343ddf7f> <https://doi.org/10.23658/taltech.22/2024>

On LFSR polynomial calculation for test time reduction

Jutman, Artur Computer Science Meets Automation : 10-13 September 2007 : proceedings. Volume II 2007 / p. 153-158 : ill

https://www.db-thueringen.de/receive/dbt_mods_00008867

Optimization of FSMs network by new encoding strategy

Fomina, Jelena; Sudnitsõn, Aleksander; Vasiliev, Roman BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 119-122 : ill

Patient informed consent, ethical and legal considerations in the context of digital vulnerability with smart, cardiac implantable electronic devices

Torgersen, Leanne N.S.; Schulz, Stefan M.; Lugo, Ricardo Gregorio; Sütterlin, Stefan PLOS Digital Health 2024 / art. e0000507

<https://doi.org/10.1371/journal.pdig.0000507> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

PIC uksevalvur, ehk, Lisaseade kortermaja fonolukule

Sinivee, Veljo Praktiline Arvutikasutaja 2007 / 7, lk. 36-38 : ill https://artiklid.elnet.ee/record=b1058706*est

PIC-o-teek. 1, Mobiili LCD juhtimine

Sinivee, Veljo Arvutikasutaja 2005 / 8, lk. 30-32 : ill https://artiklid.elnet.ee/record=b1050728*est

Power electronics : laboratory works

Jalakas, Tanel; Vodovozov, Valery; Vinnikov, Dmitri 2008 http://www.ester.ee/record=b2373811*est

Presentation of the European project MIGRATE

Grasset, H.; Popov, M.; Zargar, B.; Kilter, Jako Eight Protection, Automation and Control (PAC) World Conference : Wroclaw, Poland, 27-29 June 2017 2017 / p. THA05, [6] p

Raadioseadmete üksikosad

Abo, Lembit 1981 https://www.ester.ee/record=b1136943*est

Recovery of metallic materials from printed wiring boards by green pyrolysis process

Luyima, A.; Shi, H.; Zhang, Lifeng; Schumann, T.; **Kers, Jaan; Laurmaa, Viktor; Goljandin, Dmitri; Mikli, Valdek** 20th International Baltic Conference Materials Engineering 2011, October 27-28, Kaunas, Lithuania : book of abstracts 2011 / p. 57-58
https://www.researchgate.net/publication/268386159_Recovery_of_Metallic_Materials_from_Printed_Wiring_Boards_by_Green_Pyrolysis_Process

Research and development of electronic ballasts for smart lighting systems with light emitting diodes = Tarkades valgustussüsteemides kasutatavate LED-valgustite elektrooniliste ballastseadmete uurimine ja arendamine
Milaševski, Irena 2012

Research development of bidirectional DC-DC/AC converter

Matiushkin, Oleksandr 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. 128-130 : ill
https://www.ester.ee/record=b5291755*est

Separation of ionic liquids in non-aqueous capillary electrophoresis using contactless conductivity detector

Vaher, Merike; Gorbatsova, Jelena; Koel, Mihkel; Kaljurand, Mihkel HPLC 2007 Symposium : Ghent, Belgium, June 17-21, 2007 : abstract book 2007 / p. 363

Sigma-delta converter

Di Giandomenico, Antonio; Kampus, Vahur 2018 <https://patents.google.com/patent/EP3340474A1/en>

Siililegi selge ehk ukseid lukku ja lahti magnetkaardiga

Sinivee, Veljo Arvutikasutaja 2004 / 7, lk. 10-12 : ill https://artiklid.elnet.ee/record=b1062086*est

Siililukk, ehk, Lihtne magnetkaardiga taba, versioon 2

Sinivee, Veljo Arvutikasutaja 2005 / 7, lk. 34-36 : ill https://artiklid.elnet.ee/record=b1050719*est

Some aspects about insulator puncture tests

Anus, Aleksander; Metusala, Tiit; Oidram, Rein; Tapupere, Olev Stockholm Power Tech, June 18-22 1995 : International Symposium on Electric Power Engineering. High-voltage technology 1995 / p. 18-21 : ill

Subsurface flow path modeling from inertial measurement unit sensor data using infinite hidden Markov models

Piho, Laura; Kruusmaa, Maarja IEEE sensors journal 2022 / p. 621-630 : ill <https://doi.org/10.1109/JSEN.2021.3128838> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Systematic analysis of electronic devices reliability

Eidukas, D.; Balaišis, P.; Navikas, D. BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 255-258 : ill

(ZnCd)S and Zn(SeTe) downconverting phosphors

Valdna, Vello; Hiie, Jaan; Mellikov, Enn; Mere, Arvo Abstracts of 17th Nordic Semiconductor Meeting, June 17-20, 1996, Trondheim, Norway 1996 / p. 69

Theoretical rationalization of chirality sensors on the basis of mono- and bis-porphyrins : abstract

Osadchuk, Irina Proceedings of the CSAC2021 : 1st International Electronic Conference on Chemical Sensors and Analytical Chemistry, 1-15 July 2021, MDPI: Basel, Switzerland : online 2021 / 1 p <https://doi.org/10.3390/CSAC2021-10550>

A tool for model-order reduction of power systems with high penetration of power electronic devices

Campos, Nathalia de Moraes Dias; Kilter, Jako 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. 91-92 : ill
https://www.ester.ee/record=b5504019*est

Ultra-High gain modified SCLN based DC-DC converter with reduced device current stress

Sahoo, Gyana Manjari; Banavath, Satish Naik; Chub, Andrii; Vinnikov, Dmitri 2022 IEEE 63th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON): conference proceedings 2022
<https://doi.org/10.1109/RTUCON56726.2022.9978808>

Ultra-high step-up DC-DC converters based on center-tapped inductors

Tarzamni, Hadi; Vosoughi Kurdkandi, Naser; Gohari, Homayon Soltani; Lehtonen, Matti; Husev, Oleksandr; Blaabjerg, Frede IEEE Access 2021 / p. 136373-136383 : ill <https://doi.org/10.1109/ACCESS.2021.3117856> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Universal interlinking converter for prosumer DC buildings : Operation with different DC grid types

Carvalho, Edivan Laercio; Mandrioli, Riccardo; Pittala, Lohith Kumar; **Blinov, Andrei**; Chub, Andrii; Vinnikov, Dmitri 2025 IEEE Seventh International Conference on DC Microgrids (ICDCM) 2025 / 5 p <https://doi.org/10.1109/ICDCM63994.2025.11144648>
[Conference at Scopus](#)

Unleashing the full power of feed-forward opamps: a 200MHz, fully differential, conditionally stable, 36dB gain PGA, using a four-stage multi-path 2.5V amplifier with double feed-forward compensation

Kampus, Vahur; Trojer, Martin; **Teschner, Robert** 2018 IEEE Nordic Circuits and Systems Conference (NORCAS): NORCHIP and International Symposium of System-on-Chip (SoC), Tallinn, Estonia, 2018 : proceedings 2018 / p. 1-5
<https://doi.org/10.1109/NORCHIP.2018.8573502>

Veetasememõõdik [akvaariumile]

Sinivee, Veljo Praktiline Arvutikasutaja 2006 / 5, lk. 32-33 : skeem https://artiklid.elnet.ee/record=b1054184*est

Wide range power electronic converters for EVs

Nadeem, Mohammad Mahad 22nd International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Pärnu, Estonia, August 23-26, 2023 2023 / p. 59-60 : ill
https://www.ester.ee/record=b5570906*est

Анализ системы фазовой автоподстройки частотными методами

Min, Mart Анализ и моделирование технических устройств и систем АСУТП 1978 / с. 55-64 : илл
https://www.ester.ee/record=b2191003*est <https://digikogu.taltech.ee/et/Item/00fbff38-ccfb-411c-ad55-0c6b943b766b>

Исследование электронных интеграторов постоянного тока суммирующего действия : автореферат ... кандидата технических наук (253)

Tomson, Teolan 1968 https://www.ester.ee/record=b1525882*est

Некоторые вопросы методики преподавания электронных усилительных устройств студентам электротехнических, электронных и радиотехнических специальностей

Tamm, Uljas Õppemetoodika küsimusi ; 10 1973 / с. 61-72 https://www.ester.ee/record=b1346720*est

О предварительном определении главных размеров униполярного преобразователя

Parts, Innari Исследование и проектирование электромагнитных средств перемещения жидких металлов : сборник трудов. 4 1966 / с. 107-116 : илл https://www.ester.ee/record=b2100520*est <https://digikogu.taltech.ee/et/Item/68300884-f47a-42d1-a1ff-2e4a489053ce>

Создание основ направленного синтеза оптоэлектронных материалов АИ ВУ1 и разработка на их основе полупроводниковых приборов : автореферат ... кандидата технических наук

Mellikov, Enn 1988 https://www.ester.ee/record=b1524292*est

Электронные приборы : руководство к лабораторным работам

1980 https://www.ester.ee/record=b1274500*est

Электротехника и автоматика

Rüstern, Ennu; Leis, Paul; Sudnitsõn, Aleksander; Viies, Vladimir; Berkman, Boriss; Keevallik, Andres; Kruus, Margus; Ubar, Raimund-Johannes; Alango, Villem; Kont, Toomas; Grigorjeva, Ksenja; Einasto, N.; Evartson, Teet; Gerasimtšuk, Valeri; Mahhitko, V.P.; Šendrik, M.G.; Tamm, Boris, inform. 1986 https://www.ester.ee/record=b1296477*est

Электротехника и автоматика

Rüstern, Ennu; Keevallik, Andres; Kruus, Margus; Salum, Kaja; Berkman, Boriss; Tammemäe, Kalle; Alango, Villem; Kont, Toomas; Ubar, Raimund-Johannes; Lohuaru, Tõnu; Štraube, B.; Elst, G.; Bombik, B.; Viies, Vladimir; Gallai, S.; Rang, Toomas; Laansoo, Ants; Männama, Vello; Pikkov, Otto; Gurjanov, Boris; Opotski, Aleksei; Velmre, Enn 1988
https://www.ester.ee/record=b1256708*est

Электротехника и автоматика

Mägi, Harri; Velmre, Enn; Pikkov, Mihhail; Orro, S.; Rang, Toomas; Gurjanov, Boris; Kruus, Margus; Salum, Kaja; Berkman, Boriss; Keevallik, Andres; Kasirova, Lilia; Kruus, Margus; Ellervee, Peeter; Ubar, Raimund-Johannes; Grigorjeva, Ksenja; Kont, Toomas 1989 https://www.ester.ee/record=b1285446*est

Электротехника и автоматика

Tamm, Uljas 1990 https://www.ester.ee/record=b1310834*est