

A generic synthesizable NoC switch with a scalable testbench

Govind, Vineeth; Raik, Jaan; 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. 91-94 : ill

A MPPT control method for full soft-switching high step-up current-fed DC-DC converter

Kosenko, Roman; Roasto, Indrek 2015 56th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCon) 2015 / p. 199-203 : ill

Bidirectional operation of the single-phase neutral-point-clamped quasi-Z-source inverter

Husev, Oleksandr; Zakis, Janis; Vinnikov, Dmitri; Savenko, O. BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 221-224 : ill

Bidirectional soft switching current source DC-DC converter for residential DC microgrids

Blinov, Andrei; Kosenko, Roman; Chub, Andrii; Vinnikov, Dmitri IECON 2018 - 44th Annual Conference of the IEEE Industrial Electronics Society : proceedings 2018 / p. 6059-6064 : ill <https://doi.org/10.1109/IECON.2018.8591103>

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>

Comparison and verification of boost control methods for full soft-switching bidirectional current-fed isolated full-bridge DC-DC converter [Online resource]

Kosenko, Roman; Chub, Andrii; Blinov, Andrei 2016 II International Young Scientists Forum on Applied Physics and Engineering (YSF-2016) : forum proceedings 2016 / p. 6-9 : ill <https://doi.org/10.1109/YSF.2016.7753748>

Cyber-physical universal safety and crash detection system for autonomous robot

Pikner, Heiko; Malayjerdi, Mohsen Robotic systems and applications 2021 / p. 46-52 : ill <https://doi.org/10.21595/rsa.2021.22113>

Cyber-physical universal safety and crash detection system for autonomous robot

Pikner, Heiko; Sell, Raivo; Malayjerdi, Mohsen The 16th International Conference "Mechatronic Systems and Materials" MSM 2021 July 1, 2021 – July 2, 2021 : abstract book 2021 / p. 16-17 http://msm.vgtu.lt/files/conferences/1/MSM2021Abstract_Book_04005.pdf

Design and optimization of AIN based RF MEMS switches

Ziko, Mehadi Hasan; Koel, Ants IOP conference series : materials science and engineering 2018 / 012002 ; 9 p.: ill <https://doi.org/10.1088/1757-899X/362/1/012002> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Design considerations of dual-active bridge DC grid-forming converter for DC buildings

Carvalho, Edivan Laercio; Sidorova, Aleksandra; Blinov, Andrei; Chub, Andrii; Vinnikov, Dmitri IEEE transactions on industrial electronics 2024 / 11 p <https://doi.org/10.1109/TIE.2023.3331125>

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>

Energy-efficient high-voltage switch based on parallel connection of IGBT and IGCT [Electronic resource]

Blinov, Andrei; Vinnikov, Dmitri; Ivakhno, Volodymyr CPE 2011 : 7th International Conference-Workshop Compatibility and Power Electronics : June 1-3, 2011, Tallinn, Estonia : conference guide 2011 / p. 360-364 [CD-ROM] https://www.researchgate.net/publication/252015928_Energy-efficient_high-voltage_switch_based_on_parallel_connection_of_IGBT_and_IGCT

Evaluation of GaN HEMTs for high-voltage stage of isolated DC-DC converters

Chub, Andrii; Zdanowski, Mariusz; Blinov, Andrei; Rabkowski, Jacek 2016 10th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) : proceedings : Opera Nova's Congress Center, Bydgoszcz, Poland, 29. June - 01. July, 2016 2016 / p. 375-379 : ill <https://doi.org/10.1109/CPE.2016.7544217>

Evaluation of low- and high-voltage GaN transistors in soft-switching DC-DC converter

Blinov, Andrei; Kosenko, Roman; Chub, Andrii 2017 IEEE First Ukraine Conference on Electrical and Computer Engineering (UKRCON) : May 29 - June 2, 2017, Kyiv, Ukraine : conference proceedings 2017 / p. 544-547 : ill <https://doi.org/10.1109/UKRCON.2017.8100299>

Extended ZVS-On/ZCS-Off range for CF-DAB converter under DCM operation for residential energy storage systems

Carvalho da Silva, Edivan Laercio; Cardoso, Rafael; Felipe, Carla Aparecida; Stein, Carlos Marcelo De Oliveira; Bellinaso, Lucas Vizzotto; Michels, Leandro; Vinnikov, Dmitri IEEE Access 2023 / p. 119231-119243 <https://doi.org/10.1109/ACCESS.2023.3327219>

Feasibility study GaN transistors application in the novel split-coils inductive power transfer system with T-type inverter
Shevchenko, Viktor; Pakhaliuk, Bohdan; **Husev, Oleksandr**; Veligorskyi, Oleksandr; Stepins, Deniss; Strzelecki, Ryszard Industrial and Technological Applications of Power Electronics Systems 2021 / p. 315-330 <https://doi.org/10.3390/en13174535>

Feasibility study GaN transistors application in the novel split-coils inductive power transfer system with T-Type inverter
Shevchenko, Viktor; Pakhaliuk, Bohdan; **Husev, Oleksandr**; Veligorskyi, Oleksandr; Stepins, Deniss; Strzelecki, Ryszard Energies 2020 / art. 4535, 16 p. : ill <https://doi.org/10.3390/en13174535> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Feasibility study of cascading of full soft-switching current-fed naturally clamped DC-DC converters
Kosenko, Roman; Chub, Andrii; Blinov, Andrei 2016 10th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) : proceedings : Opera Nova's Congress Center, Bydgoszcz, Poland, 29. June - 01. July, 2016 2016 / p. 384-389 : ill <https://doi.org/10.1109/CPE.2016.7544219>

Four novel PWM shoot-through control methods for impedance source DC-DC converters
Vinnikov, Dmitri; Roasto, Indrek; Liivik, Liisa; Blinov, Andrei Journal of power electronics 2015 / p. 299-308 : ill

Full soft-switching bidirectional current-fed DC-DC converter
Chub, Andrii; Kosenko, Roman; Blinov, Andrei; Ivakhno, Volodymyr; Zamaruev, Volodymyr; Stysslo, Bogdan 2015 56th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2015 / p. 189-194 : ill

Full soft-switching bidirectional isolated current-fed dual inductor push-pull DC-DC converter for battery energy storage applications [Online resource]
Kosenko, Roman; Zakis, Janis; Blinov, Andrei; Chub, Andrii; Veligorskyi, Oleksandr 2016 57th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : October 13, 14, 2016 : conference proceedings 2016 / [8] p. : ill <https://doi.org/10.1109/RTUCON.2016.7763138>

Full soft-switching high step-up current-fed DC-DC converters with reduced conduction losses
Kosenko, Roman; Husev, Oleksandr; Chub, Andrii 2015 IEEE 5th International Conference on Power Engineering, Energy and Electrical Drives (POWERENG) : proceedings : May 11-13, 2015, Riga, Latvia 2015 / p. 170-175 : ill <http://dx.doi.org/10.1109/PowerEng.2015.7266313>

Full soft-switching high step-up DC-DC converter for photovoltaic applications
Blinov, Andrei; Vinnikov, Dmitri; Ivakhno, Volodymyr 2014 16th European Conference on Power Electronics and Applications (EPE'14-ECCE Europe) : Lappeenranta, Finland, 26-28 August 2014. Vol. 4 2014 / p. 2951-2957 : ill

Galvanically isolated quasi-Z-source DC-DC converter with a novel ZVS and ZCS technique
Husev, Oleksandr; Liivik, Liisa; Blaabjerg, Frede; Chub, Andrii; Vinnikov, Dmitri; Roasto, Indrek IEEE transactions on industrial electronics 2015 / p. 7547-7556 : ill

Gate and base drivers for silicon carbide power transistors : an overview
Pefitsis, Dimosthenis; **Rabkowski, Jacek** IEEE transactions on power electronics 2016 / p. 7194-7213 : ill <http://dx.doi.org/10.1109/TPEL.2015.2510425>

High gain DC-AC high-frequency link inverter with improved quasi-resonant modulation
Blinov, Andrei; Korkh, Oleksandr; Chub, Andrii; Vinnikov, Dmitri; Pefitsis, Dimosthenis; Norrga, Staffan; Galkin, Ilja IEEE transactions on industrial electronics 2022 / p. 1465-1476 : ill <https://doi.org/10.1109/TIE.2021.3060657> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Improved modulation method for full-bridge AC-DC HF-link converter
Blinov, Andrei; Korkh, Oleksandr; Chub, Andrii; Vinnikov, Dmitri 2020 IEEE International Conference on Industrial Technology, Buenos Aires Institute of Technology (ITBA) Buenos Aires, Argentina, 26-28 February, 2020 : proceedings 2020 / p. 1173-1177 : ill <https://doi.org/10.1109/ICIT45562.2020.9067128> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Incorporating service type in aging failure model of high voltage circuit breaker
Asefi, Sajjad; Kilter, Jako; Landsberg, Mart 2023 27th International Conference Electronics : proceedings 2023 / 5 p <https://doi.org/10.1109/IEEECONF58372.2023.10177602>

Inimese-masina-liidese üld- ja ohutus põhimõtted, märgistus ja tuvastamine : seadmeklemmide, juhtide otste ja juhtide tuvastamine = Basic and safety principles for man-machine interface, marking and identification : identification of equipment terminals, conductor terminations and conductors (IEC 60445:2021)
2021 https://www.ester.ee/record=b5480843*est

Inimese-masina-liidese üld- ja ohutus põhimõtted, märgistus ja tuvastamine [Võrguteavik] : seadmeklemmide, juhtide otsastuste ja juhtide tuvastamine = Basic and safety principles for man-machine interface, marking and identification : identification of equipment terminals, conductor terminations and conductors (IEC 60445:2010)

2017 http://www.ester.ee/record=b4759241*est

Inimese-masina-liidese üld- ja ohutuspõhimõtted, märgistus ja tuvastamine. Juhtide tuvastamine värvide, tähtede või numbritega = Basic and safety principles for man-machine interface, marking and identification. Identification of conductors by colours or alphanumerics (IEC 60446:2007)

2010 https://www.ester.ee/record=b2638691*est

Inimese-masina-liidese üld- ja ohutuspõhimõtted, märgistus ja tuvastamine. Seadmeklemmide, juhtide otste ja juhtide tuvastamine = Basic and safety principles for man-machine interface, marking and identification. Identification of equipment terminals, conductor terminations and conductors (IEC 60445:2010)

2011 https://www.ester.ee/record=b2715738*est

Kõrgepingejaotla ja juhtimisaparatuur. Osa 103, Vahelduvvoolu koormuslülitid nimipingetele üle 1 kV kuni 52 kV kaasaarvatult = High-voltage switchgear and controlgear. Part 103, Alternating current switches for rated voltages above 1 kV up to and including 52 kV (IEC 62271-103:2021)

2024 https://www.ester.ee/record=b5654231*est

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

2022 https://www.ester.ee/record=b5485887*est

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

2017 http://www.ester.ee/record=b4768187*est

Lülite montaaži korraldamine tehases "Estoplast"

Randmer, A.; Lõhmus, Judita XXIX vabariiklik üliõpilaste teaduslik- tehniline konverents 30. märtsist - 1. aprillini 1977 : ettekannete teesid 1977 / lk. 128 https://www.ester.ee/record=b2449987*est

Madalpingelised lülitis- ja juhtimisaparaadid. Osa 1, Üldreeglid [Võrguteavik] = Low-voltage switchgear and controlgear. Part 1, General rules (IEC 60947-1:2020)

2021 https://www.ester.ee/record=b5426491*est

Madalpingelised lülitisaparaadid

Lehtla, Tõnu; Risthein, Endel 2005 https://www.ester.ee/record=b2109376*est

Madalpingelised lülitisaparaadid

Lehtla, Tõnu; Risthein, Endel 2009 https://www.ester.ee/record=b2478880*est

Madalpingelised lülitisaparaadid. Osa 1, Üldreeglid = Low-voltage switchgear and controlgear. Part 1, General rules (IEC 60947-1:2007, modified + A1:2010)

2011 https://www.ester.ee/record=b2715992*est

Madalpingelised lülitisaparaadid. Osa 1, Üldreeglid = Low-voltage switchgear and controlgear. Part 1, General rules

2011 https://www.ester.ee/record=b2715988*est

Madalpingelised lülitisaparaadid. Osa 1, Üldreeglid [Võrguteavik] = Low-voltage switchgear and controlgear. Part 1, General rules (IEC 60947-1:2007, modified+A1:2010+A2:2014)

2015 https://www.ester.ee/record=b4532304*est

Madalpingelised lülitisaparaadid. Osa 1, Üldreeglid [Võrguteavik] = Low-voltage switchgear and controlgear. Part 1, General rules (IEC 60947-1:2020)

2021 https://www.ester.ee/record=b5426491*est

Maximizing energy harvest of the impedance source PV Microconverter under partial shading conditions

Vinnikov, Dmitri; Chub, Andrii; Liivik, Elizaveta; Blaabjerg, Frede; Kouro, Samir CPE-POWERENG 2018 : Conference program : 12th IEEE International Conference on Compatibility, Power Electronics and Power Engineering, 10-12 April, 2018, Doha, Qatar 2018 / 7 p.: ill <https://indd.adobe.com/view/bdbda104-4e24-4d7b-88b1-f84ccfd20748> <https://doi.org/10.1109/CPE.2018.8372556>

MPPT and GMPPT Implementation for Buck-Boost Mode Control of quasi-Z-Source Inverter

Husev, Oleksandr; Vinnikov, Dmitri; Roncero-Clemente, Carlos; Blaabjerg, Frede; Strzelecki, Ryszard IEEE transactions on industrial electronics 2022 / p. 11348 - 11358 <https://doi.org/10.1109/TIE.2021.3125658> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Multiphase interleaved DC-DC converter with directly and inversely coupled inductors [Online resource]

Kroics, Kaspars; **Zakis, Janis**; Sirmelis, Ugis 2016 57th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : October 13, 14, 2016 : conference proceedings 2016 / [6] p. : ill <https://doi.org/10.1109/RTUCON.2016.7763102>

Neuro-fuzzy control system for active filter with load adaptation [Electronic resource]

Husev, Oleksandr; Ivanets, Sergey; **Vinnikov, Dmitri** CPE 2011 : 7th International Conference-Workshop Compatibility and Power Electronics : June 1-3, 2011, Tallinn, Estonia : conference guide 2011 / p. 28-33 [CD-ROM] <https://ieeexplore.ieee.org/document/5942202>

Novel family of modified qZS buck-boost multilevel inverters with reduced switch count

Husev, Oleksandr; Strzelecki, Ryszard; **Blaabjerg, Frede**; Chopyk, Vasiliy; **Vinnikov, Dmitri** 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. 98-105 : ill <http://dx.doi.org/10.1109/CPE.2015.7231056>

A novel high-voltage half-bridge converter with phase-shifted active rectifier [Electronic resource]

Blinov, Andrei; Ivakhno, Volodymyr; Zamaruev, Vladimir; **Vinnikov, Dmitri**; **Husev, Oleksandr** 2012 IEEE International Conference on Industrial Technology : proceedings CD 2012 / p. 967-970 : ill [CD-ROM] <https://ieeexplore.ieee.org/document/6210062>

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](#)

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>

Optimum electromagnetic modelling of RF MEMS switches

Ziko, Mehadi Hasan; **Koel, Ants** Elektronika ir elektrotehnika = Electronics and electrical engineering 2018 / p. 46-50 : ill <https://doi.org/10.5755/j01.eie.24.5.21842> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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 improvement of PWM control methods for voltage step-down in series resonant DC-DC converters

Sidorov, Vadim; **Chub, Andrii**; **Vinnikov, Dmitri** Energies 2020 / art. en13174569 ; 18 p <https://doi.org/10.3390/en13174569> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Power Stage MOSFETs Segmentation in Ripple Controlled Step-Down SMPS [Online resource]

Mihhailov, Juri; Koort, Marko; **Rang, Toomas** BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p. : ill <https://doi.org/10.1109/BEC.2018.8600960>

Precise mixed signal synchronous detector with spectrally improved binary switching

Märtens, Olev 6th IEEE International Symposium on Intelligent Signal Processing : WISP 2009 : 26-28 August 2009, Budapest 2009 / p. 77-80 : ill <https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=5286575>

qZS-based soft-switching DC/DC converter with a series resonant LC circuit

Vinnikov, Dmitri; **Zakis, Janis**; **Liivik, Liisa**; Rankis, Ivars Энергосбережение, энергетика, энергоаудит = Energy saving, power engineering, energy audit 2013 / p. 42-50 : ill

QZS-based soft-switching DC/DC converter with a series resonant LC circuit [Electronic resource]

Vinnikov, Dmitri; **Zakis, Janis**; **Liivik, Liisa**; Rankis, Ivars Международная Научно-Техническая Конференция "Силовая Электроника и Энергоэффективность" : 23-27.IX 2013, Алушта, Крым 2013 / [3] p. : ill [CD-ROM]

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

Blinov, Andrei 2012 http://www.ester.ee/record=b2856034*est

Simulation and evaluation of control methods for the rolling stock static auxiliary converter based on three-level NPC inverter topology [Electronic resource]

Roasto, Indrek; **Vinnikov, Dmitri**; **Vodovozov, Valery** POWERENG 2009 : 2nd International Conference on Power Engineering, Energy and Electrical Drives : 18-20 March, 2009, Lisbon, Portugal 2009 / p. 593-598 : ill. [CD-ROM]

<https://ieeexplore.ieee.org/document/4915176/similar#similar>

Simulation study of the three-level boost DC-DC converter with full ZVS for PV application

Vorobei, Vasiliy; **Zakis, Janis**; **Husev, Oleksandr**; Veligorskyi, Oleksandr; Savenko, Oleksandr ICPE 2015 - ECCE Asia : 9th International Conference on Power Electronics - ECCE Asia : "Green World with Power Electronics" : June 1-5, 2015, 63 Convention Center, Seoul, Korea 2015 / p. 2038-2043 : ill <http://dx.doi.org/10.1109/ICPE.2015.7168058>

A single-phase reduced component count asymmetrical multilevel inverter topology

Chub, Andrii; Blaabjerg, Frede IEEE journal of emerging and selected topics in power electronics 2021 / p. 6780-6790 : ill <https://doi.org/10.1109/JESTPE.2021.3066396> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Step-Up series resonant DC-DC converter with bidirectional-switch-based boost rectifier for wide input voltage range photovoltaic applications

Bakeer, Abualkasim Ahmed Ali; **Chub, Andrii**; **Vinnikov, Dmitri** Energies 2020 / Art. 3747 <https://doi.org/10.3390/en13143747> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Study on power losses of the full soft-switching current-fed DC/DC converter with Si and GaN devices

Chub, Andrii; **Rabkowski, Jacek**; **Blinov, Andrei**; **Vinnikov, Dmitri** IECON 2015 - Yokohama : 41st Annual Conference of the IEEE Industrial Electronics Society : November 9-12, 2015, Pacifico Yokohama, Yokohama, Japan 2015 / p. 13-18

Zero-voltage switching galvanically isolated current-fed full-bridge DC-DC converter

Chub, Andrii; **Kosenko, Roman**; **Blinov, Andrei** 2016 10th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) : proceedings : Opera Nova's Congress Center, Bydgoszcz, Poland, 29. June - 01. July, 2016 2016 / p. 455-459 : ill <https://doi.org/10.1109/CPE.2016.7544231>

A three-phase full soft-switching current-fed naturally clamped DC-DC converter for high-power fuel cell applications

Kosenko, Roman; **Chub, Andrii**; **Blinov, Andrei** 2016 2nd International Conference on Intelligent Energy and Power Systems (IEPS) : Kyiv, Ukraine, June 7-11, 2016 : conference proceedings 2016 / [5] p. : ill <https://doi.org/10.1109/IEPS.2016.7521882>

Ultra-low latency NoC testing via pseudo-random test pattern compaction

Tatenguem, Herve; **Govind, Vineeth**; **Raik, Jaan** SoC 2012 : International Symposium on System-on-Chip 2012 : Tampere, Finland, October 11-12, 2012 2012 / 6 p. : ill <https://ieeexplore.ieee.org/document/6376370>

Valgust! Aga sujuvalt : [pirni- ja rahakotisõbralik lülit]

Sinivee, Veljo Arvutikasutaja 2003 / 2, lk. 10-12 : ill

Wide input voltage range photovoltaic microconverter with reconfigurable buck-boost switching stage

Chub, Andrii; **Vinnikov, Dmitri**; **Kosenko, Roman**; **Liivik, Elizaveta** IEEE transactions on industrial electronics 2017 / p. 5974-5983 : ill <https://doi.org/10.1109/TIE.2016.2645891>

Wide output voltage range isolated buck-boost PFC converter with reconfigurable rectifier

Verbytskyi, Ievgen; **Nadeem, Mohammad Mahad**; **Blinov, Andrei**; **Chub, Andrii**; **Vinnikov, Dmitri** 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 7 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227389>

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

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

Voltage balancing circuit for modular step-down DC/DC converter

Uljans, Austris; **Zakis, Janis** 2015 56th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2015 / p. 329-332 : ill

Анализ процессов распространения тепла в структурах импульсных силовых приборов вблизи плоскостей спая кремниевых пластин в высоковольтные "столбы"

Glazov, Aleksei; **Korolkov, Oleg** Известия высших учебных заведений. Материалы электронной техники 2012 / с. 65-69 : ил

Использование разделенной коммутации в двухзвенных преобразователях постоянного напряжения для снижения динамических потерь силовых полупроводниковых ключей

Sokol, Jevgeni; **Blinov, Andrei**; **Vinnikov, Dmitri** Энергосбережение. Энергетика. Энергоаудит 2014 / 55-69 : ил

Исследование чувствительности точных струйных переключателей к эксплуатационным условиям

Reedik, Vello; **Semeniuk, Mykola** Пневмоавтоматика : Тезисы докладов 13 всесоюзного совещания Донецк, июнь 1978 г. 1978 / с. 102-104

Применение полевых транзисторов в усилительных и переключающих схемах

Schults, Eduard; Martverk, Peep; Schiff, Gunnar; Heinrichsen, Vladimir; Õispuu, Arne Тезисы докладов конференции, посвященной 10-летию Эстонской организации научно-технического общества радиотехники, электротехники и связи им. А. С. Попова 1968 https://www.ester.ee/record=b1653186*est

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Kuusik, A.; Tomson, Jaan XVI студенческая научно-техническая конференция вузов Прибалтики, Белорусской ССР и Калининградской области, посвященная 100-летию со дня рождения В. И. Ленина : 20-25 апреля 1970 г. : (тезисы докладов). Электротехника и энергетика 1970 / с. 8 https://www.ester.ee/record=b1379483*est