

### **An improved high-voltage IGBT-based half-bridge DC/DC converter for railway applications**

**Vinnikov, Dmitri; Laugis, Juhan** COMPEL : The international journal for computation and mathematics in electrical and electronic engineering 2011 / p. 280-299 : ill <https://www.emerald.com/insight/content/doi/10.1108/03321641111091566/full/html>

### **Avati 4,2 miljoniline kõrgepinge labor Tallinna Tehnikaülikoolis**

Studioosus 2010 / veebr., lk. 7

### **Avati moodne kõrgepingelabor**

Mente et Manu 2010 / lk. 2 [https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

### **Comparison of 2- and 3-level Half-Bridge DC/DC converters for high-voltage high-power applications**

**Vinnikov, Dmitri; Strzelecki, Ryszard** Przegląd elektrotechniczny = Electrical review 2009 / 10, p. 217-221

[https://www.researchgate.net/publication/283654804\\_Comparison\\_of\\_2-and\\_3-level\\_half-bridge\\_DCDC\\_converters\\_for\\_high-voltage\\_high-power\\_applications](https://www.researchgate.net/publication/283654804_Comparison_of_2-and_3-level_half-bridge_DCDC_converters_for_high-voltage_high-power_applications)

### **Cooling methods for high voltage IGBTs**

**Blinov, Andrei; Vinnikov, Dmitri** 6th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology : [Kuressaare, January 12-17, 2009] 2009 / p. 134-139 : ill

### **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> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Electric vehicle fast charger high voltage input multiport converter topology analysis [Electronic resource]**

**Jalakas, Tanel; Roasto, Indrek; Vinnikov, Dmitri** CPE 2013 : 2013 International Conference on Compatibility and Power Electronics (CPE) : June 5-7, 2013, Ljubljana, Slovenia : conference proceedings 2013 / p. 326-331 : ill [CD-ROM]

### **Elektriinsener Jüri Laurson: elektromagnetvälja mõjude üle tasub arutleda**

Laurson, Jüri maaleht.ee 2023 [Elektriinsener Jüri Laurson: elektromagnetvälja mõjude üle tasub arutleda](#)

### **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](https://www.researchgate.net/publication/252015928_Energy-efficient_high-voltage_switch_based_on_parallel_connection_of_IGBT_and_IGCT)

### **Esimene ülemaaline kõrgepinge elektrikeskjaam Eestis**

**Hacker, Gottfried** Tallinna Tehnikaülikooli aastaraamat 2006 2007 / lk. 384-388

### **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>

### **A Gramian-based tool for modeling converter-dominated power systems**

**de Moraes Dias Campos, Nathalia; Sarnet, Tanel; Kilter, Jako** IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT Europe 2024) : proceedings 2024 / 5 p <https://doi.org/10.1109/ISGTEUROPE62998.2024.10863396>

### **High voltage GaAs diode stacks : the choice of epistuctures for assembling**

**Rang, Toomas; Voitovitš, Viktor; Kuznetsova, Natalja** Design, Test, Integration and Packaging of MEMS/MOEMS - DTIP2004 : 12-14 May 2004, Montreux, Switzerland 2004 / p. 199-202 : ill

### **High-voltage frequency converter with multiprocessor control system**

**Joller, Jüri** Actual Problems of Electrical Drives and Industry Automation : the research symposium of young scientists, Lohusalu, Estonia, June 1-8, 1997 1997 / p. 51-53: ill

### **Ilmus kõrgepingepaigaldiste standard**

**Risthein, Endel** Elektriala 2002 / 4, lk. 22-23

### **Impact of voltage instrument transformers on the accuracy of harmonic measurements in a 330 kV transmission grid**

Meyer, Jan; Stiegler, Robert; Schegner, Peter; **Kilter, Jako** Instrument Transformer Measurement Forum (ITMF) : October 13-15, 2015, Feldkirch, Austria 2015

### **Implementation of snubber circuits in power converters with high-voltage IGBTs**

**Jalakas, Tanel; Blinov, Andrei; Mölder, Heigo; Lehtla, Tõnu** 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. 42-45 : ill

**Kas elektriseadmed tuleks äikesega vooluvõrgust välja võtta?**

Bioneer.ee 2024 [Kas elektriseadmed tuleks äikesega vooluvõrgust välja võtta?](#)

**Kõrgepinge tehniline komitee on loodud**

Oidram, Rein EVS Teataja 2002 / 11, lk. 6-7

**Kõrgepingealane teadustöö Tallinna Polütehnilises Instituudis**

Tapupere, Olev Tehnikauuringute areng Eesti NSV-s : vabariikliku konverentsi ettekannete teesid Tallinn, 15.-16. oktoober 1986 1986 / lk. 157-159 [https://www.ester.ee/record=b1258828\\*est](https://www.ester.ee/record=b1258828*est)

**Kõrgepingeuuringud Tallinna Polütehnilises Instituudis**

Tapupere, Olev; Metusala, Tiit Kõrgema tehnilise hariduse ja tehnilise mõtte areng Eestis 1988 / lk. 92-99

**Multi-cell DC-DC converter with high step-down voltage ratio [Electronic resource]**

Tibola, Gabriel; Duarte, Jorge; **Blinov, Andrei** ECCE 2015 : IEEE Energy Conversion Congress & expo : Montreal, Canada, September 20-24, 2015 2015 / p. 2010-2016 : ill. [USB] <http://dx.doi.org/10.1109/ECCE.2015.7309944>

**A new high step-up switched-capacitor/inductor based DC-DC converter**

**Mashinchi Maheri, Hamed**; Saadatizadeh, Zahra; Chavoshpour Heris, Pedram; Babaei, Ebrahim; Vinnikov, Dmitri 2021 IEEE 62nd International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), 15-17 Nov. 2021 : conference proceedings 2021 / p. 1-5 <https://doi.org/10.1109/RTUCON53541.2021.9711590>

**A new transformer-less single switch boost DC-DC converter with lower stress**

**Mashinchi Maheri, Hamed**; Mohammadzadeh Shahir, Farzad; Babaei, Ebrahim 2020 IEEE 61st International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON), November 5-7, 2020 2020 / 6 p [http://www.conference.rtu.lv/qazcdeTGBmjURTUCON2020\\_paper\\_101Gq73sO95Kb30.pdf](http://www.conference.rtu.lv/qazcdeTGBmjURTUCON2020_paper_101Gq73sO95Kb30.pdf) <https://doi.org/10.1109/RTUCON51174.2020.9316470>

**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)

**Pinged ja õhkvaahemikud kõrgepingepaigaldiste standardis EVS-HD 637 S1:2002**

Oidram, Rein Elektriala 2002 / 6, lk. 24-25

**PV module level DC-DC converters with wide input voltage regulation range - implementation challenges and application benefits**

**Chub, Andrii** 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 25-26 : ill [https://www.ester.ee/record=b5183874\\*est](https://www.ester.ee/record=b5183874*est)

**Quantification of corona discharge intensity applied to sphere-plane configurations**

**Gupta, Pradeep Kumar**; Ruiz, Jordi-Roger Riba; **Tuttelberg, Kaur**; **Kilter, Jako** IEEE Transactions on Dielectrics and Electrical Insulation 2025 <https://doi.org/10.1109/TDEI.2025.3562196>

**State of the art and development trends of smart control systems for high voltage DC/DC converters**

**Roasto, Indrek**; **Vinnikov, Dmitri**; **Lehtla, Tõnu** 6th International Symposium "Topical Problems in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology : [Kuressaare, January 12-17, 2009] 2009 / p. 36-42 : ill

**A three-phase full soft-switching current-fed naturally clamped DC-DC converter for high-power energy storage applications**

**Chub, Andrii**; **Kosenko, Roman**; **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.2016.7521884>

**Toward automated utility pole condition monitoring : a deep learning approach**

Ramlal, Craig J.; Singh, Arvind; Rocke, Sean; **Manninen, Henri**; **Kilter, Jako**; **Landsberg, Mart** Proceedings of 2020 IEEE PES Innovative Smart Grid Technologies Europe (ISGT-Europe), 26-28 October, 2020 2020 / p. 255-259 <https://doi.org/10.1109/ISGT-Europe47291.2020.9248797>

**Transient analysis of high-voltage half-bridge inverter during freewheeling states**

**Blinov, Andrei**; **Jalakas, Tanel**; **Vinnikov, Dmitri**; **Janson, Kuno** 9th International Symposium "Topical problems in the field of electrical and power engineering". Doctoral school of energy and geotechnology. II : Pärnu, Estonia, June 14-19, 2010 2010 / p. 8-11 : ill

**Variability of high voltage circuit breaker performance parameters for condition monitoring**

**Asefi, Sajjad; Kiitam, Ivar; Manninen, Henri; Kilter, Jako;** Tealane, Marko; Landsberg, Mart International Conference on Condition Monitoring, Diagnosis and Maintenance 2023 - CMDM 2023 (7th edition), Bucharest, Romania, October 31th - November 2nd, 2023 : proceedings 2023 / p. 1-10

**Высоковольтный стабилизатор тока**

**Männama, Vello** Проблемы моделирования и измерения в электронике 1986 / с. 63-72

**Высоковольтный тиристорно-транзисторный коммутатор**

**Köverik, Kait;** Rudski, V.A.; Togatov, V. Приборы и техника эксперимента 1986 / с. 119-121 : ил

[https://www.ester.ee/record=b1265874\\*est](https://www.ester.ee/record=b1265874*est)

**Применение каскадного эмиттерного повторителя с динамической нагрузкой в качестве выходного каскада широкополосного усилителя высокого напряжения**

**Plakk, Paul; Plakk, Peeter** Методы и средства обработки сигналов при наличии шумов 1982 / с. 81-90 : ил

[https://www.ester.ee/record=b1312255\\*est](https://www.ester.ee/record=b1312255*est) <https://www.etera.ee/zoom/121735/view?page=1&p=separate&search=true&tool=search>