

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

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**Elektrilised mõõte-, juhtimis- ja laboratooriumiseadmed [Võrguteavik] : elektromagnetilise ühilduvuse nõuded. Osa 1, Üldnõuded = Electrical equipment for measurement, control and laboratory use EMC requirements. Part 1, General requirements (IEC 61326-1:2012)**

2015 [http://www.ester.ee/record=b4460496\\*est](http://www.ester.ee/record=b4460496*est)

**Elektriliste kaitse-, turvalahutus-, lülitus- ja juhtimisaparaatide koordineerimine [Võrguteavik] = Co-ordination of electrical equipment for protection, isolation, switching and control**

2015 [http://www.ester.ee/record=b4455955\\*est](http://www.ester.ee/record=b4455955*est)

**Elektrimasinate alase tehnilise kõrghariduse ajalugu ja areng Eestis**

Kilk, Aleksander Elektrotehnika aluste ja elektrimasinate instituut 50 : infokilde tänapäevast ja möödunust 2016 / lk. 16-18

[https://www.ester.ee/record=b4560920\\*est](https://www.ester.ee/record=b4560920*est)

**Elektrimasinate alasest inseneriõppest**

Kilk, Aleksander Elektrotehnika aluste ja elektrimasinate instituut 50 : infokilde tänapäevast ja möödunust 2016 / lk. 20-21

[https://www.ester.ee/record=b4560920\\*est](https://www.ester.ee/record=b4560920*est)

**Elektrimasinate kateedrist elektrotehnika instituudini**

Kilk, Aleksander Tallinna Tehnikaülikooli aastaraamat 2012 2013 / lk. 216-220

**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)

**Elektromagnetiline ühilduvus. Osa 2-5, Keskkond [Võrguteavik] : elektromagnetiliste keskkondade kirjeldus ja liigitus = Electromagnetic compatibility (EMC). Part 2-5, Environment : description and classification of electromagnetic environments (IEC/TR 61000-2-5:2011)**

2015 [http://www.ester.ee/record=b4469518\\*est](http://www.ester.ee/record=b4469518*est)

**Elektromagnetiline ühilduvus. Osa 3-2, Piirväärtused [Võrguteavik] : vooluharmoniliste emissiooni lubatavad piirväärtused (seadmetel sisendvooluga kuni 16 A faasi kohta) = Electromagnetic compatibility (EMC). Part 3-2, Limits : limits for harmonic current emissions (equipment in put current ≤ 16 A per phase) (IEC 61000-3-2:2014)**

2015 [http://www.ester.ee/record=b4477535\\*est](http://www.ester.ee/record=b4477535*est)

**Elektromagnetiline ühilduvus. Osa 5-6, Paigaldus- ja leevendusjuhendid [Võrguteavik] : välise elektromagnetiliste häirete leevendamine = Electromagnetic compatibility (EMC). Part 5-6, Installation and mitigation guidelines : mitigation of external EM influences (IEC/TR 61000-5-6:2002)**

2015

**Elektrotehnika aluste ja elektrimasinate instituut 50 : infokilde tänapäevast ja möödunust**

2016 [http://www.ester.ee/record=b4560920\\*est](http://www.ester.ee/record=b4560920*est)

## **Eluhoonete arvutusliku võimsuse määramine**

1996 [https://www.ester.ee/record=b1058140\\*est](https://www.ester.ee/record=b1058140*est)

## **Elulugusid ja meenutusi**

Elektrotehnika aluste ja elektrimasinate instituut 50 : infokilde tänapäevast ja möödunud 2016 / lk. 44-90 : portr  
[https://www.ester.ee/record=b4560920\\*est](https://www.ester.ee/record=b4560920*est)

## **Endel Risthein : lapsepõlvest tänaseni. Artiklid. Bibliograafia**

2016 [https://www.ester.ee/record=b4580635\\*est](https://www.ester.ee/record=b4580635*est)

## **Endel Risthein 90!**

Risthein, Endel Elektriala 2016 / lk. 6-11 : fot [https://artiklid.elnet.ee/record=b2797320\\*est](https://artiklid.elnet.ee/record=b2797320*est)

## **Endel Ristheina lapsepõlve- ja noorusmälestusi**

Risthein, Endel Endel Risthein : lapsepõlvest tänaseni. Artiklid. Bibliograafia 2016 / lk. 5-18 : fot

## **Energeetika - otsapidi üksnes taastuenergia küljes**

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## **Energiasalvestid ja -salvestustehnoloogiad**

Rosin, Argo; Link, Siim; Hõimoja, Hardi; Drovtar, Imre 2015 [http://www.ester.ee/record=b4484414\\*est](http://www.ester.ee/record=b4484414*est)

## **Energiastrateegia, energiajulgeolek ja töökindlad elektrivõrgud**

Lehtla, Tõnu; Valtin, Juhan Tallinna Tehnikaülikooli aastaraamat 2012 2013 / lk. 22-25

## **Energiatarbimise juhtimisel on tarkades majades kande roll**

Rosin, Argo Inseneeria 2014 / lk. 18-19 : ill [https://artiklid.elnet.ee/record=b2672914\\*est](https://artiklid.elnet.ee/record=b2672914*est)

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## **Energy saving estimates for regenerative braking and downhill driving of battery electric vehicles**

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## **Energy-efficient predictive control of centrifugal multi-pump stations**

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## **Environmental and life cycle cost analysis of a synchronous reluctance machine [Online resource]**

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**Liivik, Liisa**; **Chub, Andrii**; **Vinnikov, Dmitri**; **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. 409-414 : ill <http://dx.doi.org/10.1109/CPE.2015.7231110>

**Experimental verification of light electric vehicle charger multiport topology**

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**Exterior-rotor permanent magnet synchronous machine with toroidal windings for unmanned aerial vehicles**

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**Feasibility study of a local power supply system for sparsely populated areas in Estonia**

**Vaimann, Toomas**; **Rassõlkin, Anton**; **Kallaste, Ants**; **Märss, Maido** Agronomy research 2016 / p. 1720-1729 : ill  
[http://www.ester.ee/record=b1787401\\*est](http://www.ester.ee/record=b1787401*est) [Journal metrics at Scopus](#) [Article at Scopus](#)

**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

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**Feasibility study of inductor coupling in three-level neutral-point-clamped quasi-Z-source DC/AC converter**

**Zakis, Janis; Husev, Oleksandr;** Strzelecki, Ryszard PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 273-276 : ill

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**First charging cycle model of a lithium-ion battery and its experimental verification**

**Peterson, Kristjan** 14th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. II" : Pärnu, Estonia, January 13-18, 2014 2014 / p. 118-122 : ill

**Floating high step-down stacked dc-dc converter based on buck-boost cells [Electronic resource]**

Tibola, Gabriel; Duarte, Jorge; **Blinov, Andrei** EPE'15 ECCE Europe : 8-10 September 2015, Geneva, Switzerland : 17th European Conference on Power Electronics and Applications 2015 / p. 1-10 : ill. [USB] <http://dx.doi.org/10.1109/EPE.2015.7309181>

**Four level inverter's DC bus voltage balancing with 3-Terminal DAB converter**

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**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 <https://doi.org/10.6113/JPE.2015.15.2.299> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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**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>

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**Husev, Oleksandr; Liivik, Liisa; Blaabjerg, Frede; Chub, Andrii; Vinnikov, Dmitri; Roasto, Indrek** IEEE transactions on industrial electronics 2015 / p. 7547-7556 : ill <https://doi.org/10.1109/TIE.2015.2455522> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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#### **Grid-connected PV system based on a single-phase three-level qZS inverter**

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**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

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**Madalpingelised elektripaigaldised. Osa 5-53, Elektriseadmete valik ja paigaldamine. Lülitus- ja juhtimisaparaadid [Võrguteavik] = Low-voltage electrical installations. Part 5-53, Selection and erection of electrical equipment. Switchgear and controlgear**

2016 [http://www.ester.ee/record=b4572360\\*est](http://www.ester.ee/record=b4572360*est)

**Madalpingelised elektripaigaldised. Osa 5-557, Elektriseadmete valik ja paigaldamine. Abiahelad [Võrguteavik] = Low-voltage electrical installations. Part 5-557, Selection and erection of electrical equipment. Auxiliary circuits (IEC 60364-5-55:2011/A1:2012 (Clause 557))**

2016 [http://www.ester.ee/record=b4579708\\*est](http://www.ester.ee/record=b4579708*est)

**Madalpingelised elektripaigaldised. Osa 5-557, Elektriseadmete valik ja paigaldamine. Abiahelad [Võrguteavik] = Low-voltage electrical installations. Part 5-557, Selection and erection of electrical equipment. Auxiliary circuits (IEC 60364-5-55:2011/A1:2012 (Clause 557))**

2015

**Madalpingelised elektripaigaldised. Osa 7-705, Nõuded eripaigaldistele ja -paikadele : põllundus- ja aiandusehitised = Low-voltage electrical installations. Part 7-705, Requirements for special installations or locations : agricultural and horticultural premises**

2013 [https://www.ester.ee/record=b2940362\\*est](https://www.ester.ee/record=b2940362*est)

**Madalpingelised elektripaigaldised. Osa 7-705, Nõuded eripaigaldistele ja -paikadele : põllundus- ja aiandusehitised = Low-voltage electrical installations. Part 7-705, Requirements for special installations or locations : agricultural and horticultural premises (IEC 60364-7-705:2006, modified)**

2013 [https://www.ester.ee/record=b2940368\\*est](https://www.ester.ee/record=b2940368*est)

**Madalpingelised elektripaigaldised. Osa 7-710, Nõuded eripaigaldistele ja -paikadele. Ravipaigad = Low-voltage electrical installations. Part 7-710, Requirements for special installations or locations. Medical locations (IEC 60364-7-710:2002, modified)**

2013 [https://www.ester.ee/record=b2908455\\*est](https://www.ester.ee/record=b2908455*est)

**Madalpingelised elektripaigaldised. Osa 7-722, Nõuded eripaigaldistele ja -paikadele. Elektrisõidukite toide [Võrguteavik] = Low-voltage electrical installations. Part 7-722, Requirements for special installations or locations. Supplies for electric vehicles (IEC 60364-7-722:2015, modified)**

2016 [http://www.ester.ee/record=b4616843\\*est](http://www.ester.ee/record=b4616843*est)

**Madalpingelised elektripaigaldised. Osa 7-730, Nõuded eripaigaldistele ja -paikadele. Sisevetesõidukite elektrilised kalda-toiteühendused [Võrguteavik] = Low-voltage electrical installations. Part 7-730, Requirements for special installations or locations. Onshore units of electrical shore connections for inland navigation vessels**

2016 [http://www.ester.ee/record=b4579719\\*est](http://www.ester.ee/record=b4579719*est)

**Madalpingelised elektripaigaldised. Osa 7-753, Nõuded eripaigaldistele ja -paikadele. Kütteskaablid ja sisseehitatud küttesüsteemid [Võrguteavik] = Low-voltage electrical installations. Part 7-753, Requirements for special installations or locations. Heating cables and embedded heating systems (IEC 60364-7-753:2014)**

2015 [http://www.ester.ee/record=b4460555\\*est](http://www.ester.ee/record=b4460555*est)

**Madalpingelised elektripaigaldised. Osa 8-1, Energiatõhusus [Võrguteavik] = Low-voltage electrical installations. Part 8-1, Energy efficiency (IEC 60364-8-1:2014, modified)**

2015 [http://www.ester.ee/record=b4493970\\*est](http://www.ester.ee/record=b4493970*est)

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

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Vaimann, Toomas; Kallaste, Ants; Kilk, Aleksander; Belahcen, Anouar IEEE AFRICON 2013 : [proceedings] 2013 / p. 1124-1128 : ill <https://doi.org/10.1109/AFRICON.2013.6757787> Conference Proceedings at Scopus Article at Scopus

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**Vaimann, Toomas; Belahcen, Anouar; Kallaste, Ants** SDEMPED 2015 : 10th IEEE International Symposium on Diagnostics for Electric Machines, Power Electronics and Drives : Guarda, Portugal, September 1-4, 2015 : proceedings 2015 / p. 380-385 : ill <http://dx.doi.org/10.1109/DEMPED.2015.7303718>

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Tsimomeny, M.; **Hõimoja, Hardi** 7th IET International Conference on Power Electronics, Machines and Drives (PEMD 2014) : Manchester, United Kingdom, 8–10 April 2014. Vol. 2 2014 / p. 903-908 : ill

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**Melentjev, Sergei; Belahcen, Anouar; Kallaste, Ants; Vaimann, Toomas** 2014 55th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : proceedings 2014 / p. 26-29 : ill

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**Shults, Tatiana; Husev, Oleksandr; Zakis, Janis** 2015 16th International Conference of Young Specialists on Micro/Nanotechnologies and Electron Devices (EDM 2015) : Erlagol (Altai Republic), Russia, 29 June-3 July 2015 2015 / p. 514-520 : ill

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**Kilk, Aleksander** 2008 [https://www.ester.ee/record=b2449810\\*est](https://www.ester.ee/record=b2449810*est)

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