

**Analysis of current doubler rectifier based high frequency isolation stage for intelligent transformer [Electronic resource]**  
**Beldjajev, Viktor; Roasto, Indrek; Vinnikov, Dmitri** CPE 2011 : 7th International Conference-Workshop Compatibility and Power Electronics : June 1-3, 2011, Tallinn, Estonia : conference guide 2011 / p. 336-341 [CD-ROM]

**Application of databases for compatibility of electrical installation design [Electronic resource]**  
**Lehtla, Madis; Müür, Margus; Kõivastik, Ivar; Müül, Kristjan** CPE 2011 : 7th International Conference-Workshop Compatibility and Power Electronics : June 1-3, 2011, Tallinn, Estonia : conference guide 2011 / p. 299-302 [CD-ROM]  
<https://ieeexplore.ieee.org/document/5942249>

**Design and implementation of a digital control and monitoring system for an AC/DC UPS [Electronic resource]**  
**Palamar, Andriy; Karpinskyy, Mykola; Vodovozov, Valery** CPE 2011 : 7th International Conference-Workshop Compatibility and Power Electronics : June 1-3, 2011, Tallinn, Estonia : conference guide 2011 / p. 173-177 [CD-ROM]  
<https://ieeexplore.ieee.org/document/5942227>

**Energy saving possibilities in the industrial robot IRB 1600 control [Electronic resource]**  
**Rassõlkin, Anton; Höimoja, Hardi; Teemets, Raivo** CPE 2011 : 7th International Conference-Workshop Compatibility and Power Electronics : June 1-3, 2011, Tallinn, Estonia : conference guide 2011 / p. 226-229 [CD-ROM]  
[https://www.researchgate.net/publication/252015731\\_Energy\\_saving\\_possibilities\\_in\\_the\\_industrial\\_robot\\_IRB\\_1600\\_control](https://www.researchgate.net/publication/252015731_Energy_saving_possibilities_in_the_industrial_robot_IRB_1600_control)

**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)

**Impact of component losses on the voltage boost properties and efficiency of the qZS-converter family [Electronic resource]**  
**Vinnikov, Dmitri; Roasto, Indrek** CPE 2011 : 7th International Conference-Workshop Compatibility and Power Electronics : June 1-3, 2011, Tallinn, Estonia : conference guide 2011 / p. 303-308 [CD-ROM]  
[https://www.researchgate.net/publication/241185271\\_Impact\\_of\\_component\\_losses\\_on\\_the\\_voltage\\_boost\\_properties\\_and\\_efficiency\\_of\\_the\\_Q\\_ZS-converter\\_family](https://www.researchgate.net/publication/241185271_Impact_of_component_losses_on_the_voltage_boost_properties_and_efficiency_of_the_Q_ZS-converter_family)

**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>

**Neutral point clamped quasi-impedance-source inverter [Electronic resource]**  
**Ott, Silver; Roasto, Indrek; Vinnikov, Dmitri** CPE 2011 : 7th International Conference-Workshop Compatibility and Power Electronics : June 1-3, 2011, Tallinn, Estonia : conference guide 2011 / p. 348-353 [CD-ROM]  
<https://www.semanticscholar.org/paper/Neutral-point-clamped-quasi-impedance-source-Ott-Roasto/547db91f89adece7c854cc3e4b811934890b7a6>

**New converter for interfacing PMSG based small-scale wind turbine with residential power network [Electronic resource]**  
**Bisenieks, Lauris; Vinnikov, Dmitri; Galkin, Ilja** CPE 2011 : 7th International Conference-Workshop Compatibility and Power Electronics : June 1-3, 2011, Tallinn, Estonia : conference guide 2011 / p. 354-359 [CD-ROM]  
<https://ieeexplore.ieee.org/abstract/document/5942260>

**NordPoolSpot price pattern analysis for households energy management [Electronic resource]**  
**Auväär, Aivar; Rosin, Argo; Belonogova, Nadezhda; Lebedev, Denis** CPE 2011 : 7th International Conference-Workshop Compatibility and Power Electronics : June 1-3, 2011, Tallinn, Estonia : conference guide 2011 / p. 103-106 [CD-ROM]  
<https://www.semanticscholar.org/paper/NordPoolSpot-price-pattern-analysis-for-households-Auvaart-Rosin/8165d88c07fcfc5c57716b46658ce03035f9182f>

**Quasi-Z-source inverter based bi-directional DC/DC converter : analysis of experimental results [Electronic resource]**  
**Zakis, Janis; Vinnikov, Dmitri; Roasto, Indrek; Ribickis, Leonids** CPE 2011 : 7th International Conference-Workshop Compatibility and Power Electronics : June 1-3, 2011, Tallinn, Estonia : conference guide 2011 / p. 394-399 [CD-ROM]  
[https://www.researchgate.net/publication/224245116\\_Quasi-Z-source\\_inverter\\_based\\_bi-directional\\_DCDC\\_converter\\_Analysis\\_of\\_experimental\\_results](https://www.researchgate.net/publication/224245116_Quasi-Z-source_inverter_based_bi-directional_DCDC_converter_Analysis_of_experimental_results)

**Some aspects of blended learning for Tallinn University of Technology and Tallinn Center of Industrial Education [Electronic resource]**  
**Brindfeldt, Eduard; Grinko, Aleksandr; Müür, Margus** CPE 2011 : 7th International Conference-Workshop Compatibility and Power Electronics : June 1-3, 2011, Tallinn, Estonia : conference guide 2011 / p. 365-370 [CD-ROM]  
<https://www.semanticscholar.org/paper/Some-aspects-of-blended-learning-for-Tallinn-of-and-Brindfeldt-Grinko/c299861a95fbfacde0acd5a88b430834f898246>

**Space vector modulation with reduced switching losses for motor drive inverters [Electronic resource]**  
**Egorov, Mikhail; Vodovozov, Valery** CPE 2011 : 7th International Conference-Workshop Compatibility and Power Electronics : June 1-3, 2011, Tallinn, Estonia : conference guide 2011 / p. 388-393 [CD-ROM] <https://www.semanticscholar.org/paper/Space-vector->

[modulation-with-reduced-switching-for-Egorov-Vodovozov/89b803db973d2bd7908d7596b234f56665c14d4c](https://ieeexplore.ieee.org/document/89b803db973d2bd7908d7596b234f56665c14d4c)

**Staff training for servicing special power electronic applications [Electronic resource]**

Raud, Zoja; Vodovozov, Valery CPE 2011 : 7th International Conference-Workshop Compatibility and Power Electronics : June 1-3, 2011, Tallinn, Estonia : conference guide 2011 / p. 319-324 [CD-ROM] <https://ieeexplore.ieee.org/document/5942254>

**Trans-Z-source-like inverter with built-in DC current blocking capacitors [Electronic resource]**

Adamowicz, Marek; Guzinski, Jaroslaw; Strzelecka, Natalia; Vinnikov, Dmitri CPE 2011 : 7th International Conference-Workshop Compatibility and Power Electronics : June 1-3, 2011, Tallinn, Estonia : conference guide 2011 / p. 137-149 : ill. [CD-ROM] <https://ieeexplore.ieee.org/document/5942221>