

Address from the General Chairman

Zakis, Janis 7th International Conference-workshop Compatibility and Power Electronics : CPE 2011 : Tallinn, Estonia, June 3, 2011
: student forum 2011 / p. 3

Analysis of buck mode realization possibilities in quasi-Z-source DC-DC converters with voltage doubler rectifier

Zakis, Janis; Rankis, Ivars; Liivik, Liisa; Chub, Andrii 2015 IEEE 5th International Conference on Power Engineering, Energy and Electrical Drives (POWERENG) : proceedings : May 11-13, 2015, Riga, Latvia 2015 / p. 570-575 : ill
<http://dx.doi.org/10.1109/PowerEng.2015.7266379>

Analysis of operating modes of the novel isolated interface converter for PMSG based wind turbines

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<https://ieeexplore.ieee.org/document/6036538>

Analysis of operating modes of the step-up DC/DC converter with a commutating LC-filter

Zakis, Janis; Rankis, Ivars; Vinnikov, Dmitri Технічна електродинаміка 2011 / p. 87-92 : ill
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Analysis of state-of-the-art converter topologies for interfacing of hydrogen buffer with renewable energy systems

Andrijanovitš, Anna; Steiks, Ingars; Zakis, Janis; Vinnikov, Dmitri Scientific journal of Riga Technical University. Serija 4, Power and electrical engineering 2011 / p. 87-94 : ill <https://ui.adsabs.harvard.edu/abs/2011SJRUP..29...87A/abstract>

Analysis of switching conditions of IGBTs in modified sine wave qZSIs operated with different shoot-through control methods

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Asymmetrical PWM control of galvanically isolated impedance-source series resonant DC-DC converters

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

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Comparative analysis of boost and quasi-Z-source converters as maximum power point trackers for PV panel integrated converters

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Current sensorless control algorithm for single-phase three-level NPC inverter

Suzdalenko, Alexander; **Zakis, Janis**; Steiks, Ingars Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2014 / p. 28-33 : ill

Design and implementation issues of integrated magnetics for quasi-Z-source inverters

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Design and implementation of flyback MPPT converter for PV-applications

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Dynamic behaviour of qZS-based bi-directional DC/DC converter in supercapacitor charging mode [Electronic resource]

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Experimental study of high step-up quasi-Z-source DC-DC converter with synchronous rectification

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Experimental verification of novel bi-directional qZSI based DC/DC converter for short term energy storage systems [Electronic resource]

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Impact of component losses on the efficiency of a new quasi-Z-source based dual active bridge

Beldjajev, Viktor; Roasto, Indrek; Zakis, Janis Technological innovation for the Internet of things : 4th IFIP WG 5.5/SOCOLNET Doctoral Conference on Computing, Electrical and Industrial Systems : DoCEIS 2013 : Costa de Caparica, Portugal, April 15-17, 2013 : proceedings 2013 / p. 485-492 : ill

Impact of component losses on the efficiency of the LC-filter based dual active bridge for the isolation stage of power electronic transformer [Electronic resource]

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Implementation possibilities of SMD capacitors for high power applications

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Passive power decoupling approach for three-level single-phase impedance source inverter based on resonant and PID controllers

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PWM for single phase 3L Z/qZ-Source inverter with balanced power losses

Roncero-Clemente, Carlos; **Husev, Oleksandr**; Jalakas, Tanel; Romero-Cadaval, Enrique; **Zakis, Janis**; Minambres-Marcos, Victor Elektronika ir elektrotehnika = Electronics and electrical engineering 2014 / p. 71-76 : ill

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

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Quasi-Z-source half-bridge DC-DC converter for photovoltaic applications

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Steady state analysis of the commutating LC filter based dual active bridge for the isolation stage of power electronic transformer [Electronic resource]

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Verification of current sensorless control for single-phase NPC multilevel inverter

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

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