

Analysis of the local and global forces acting on the coil structure of a modular slotless permanent magnet generator
Kallaste, Ants; Vaimann, Toomas; Belahcen, Anouar; Shams Ghahfarokhi, Payam; Rassõlkin, Anton Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2019 / p. 9-14 : ill <https://doi.org/10.2478/ecce-2019-0002>

Balti riigid lahkuvad Venemaa elektri sagedusruumist
Rajangu, Väino Elektriala 2024 / lk. 12-13 : fot https://www.ester.ee/record=b1240496*est

Cogging torque reduction methods
Kudrjavitsev, Oleg; Kilk, Aleksander PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 251-254 : ill

Combined FE and particle swarm algorithm for optimization of high speed PM synchronous machine
Belahcen, Anouar; Martin, Florian; El Hadi Zaim, Mohammed; Dlala, Emad; Kolondzovski, Zlatko COMPEL : the international journal for computation and mathematics in electrical and electronic engineering 2015 / p. 475-484 : ill <http://dx.doi.org/10.1108/COMPEL-07-2014-0168>

Design and optimization of permanent magnet generator with outer rotor for wind turbine application = Tuuleagregaadis kasutatava välisrootoriga püsomagnetgeneraatori projekteerimine ja optimeerimine
Kudrjavitsev, Oleg 2017 <https://digi.lib.ttu.ee/i/?7662> https://www.ester.ee/record=b4671603*est

Design of slow-speed slotless SmCo permanent magnet synchronous generator for wind applications
Vaimann, Toomas; Kallaste, Ants; Korn, Norman; Laurit, Sten; Belahcen, Anouar Proceedings : 2014 15th International Scientific Conference on Electric Power Engineering (EPE) 2014 / p. 339-342 : ill

Design of the exterior-rotor PM synchronous motor for an electric powered paraglider
Nukki, Rene; Lehtla, Tõnu; Kilk, Aleksander; Kangru, Tavo 2015 56th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) 2015 / p. 245-248 : ill

Determination of thermal convection coefficient from coil's flat plate side
Ghahfarokhi, Payam Shams; Kallaste, Ants; Belahcen, Anouar 16th International Symposium "Topical Problems in the Field of Electrical and Power Engineering. Doctoral School of Energy and Geotechnology III" : Pärnu, Estonia, January 16-21, 2017 2017 / p. 130-132 : ill http://www.ester.ee/record=b4650094*est

Effect of rotor pole-shoe construction on losses of inverter-fed synchronous motors
Rasilo, Paavo; Belahcen, Anouar; Arkio, Antero IEEE transactions on industry applications 2014 / p. 208-217 : ill

Experimental determination of equivalent circuit parameters for a synchronous generator
Naseer, Muhammad Usman; Asad, Bilal; Ghahfarokhi, Payam Shams; Kallaste, Ants; Vaimann, Toomas; Rassõlkin, Anton 2021 IEEE Open Conference of Electrical, Electronic and Information Sciences (eStream): proceedings of the conference, April 22, 2021, Vilnius, Lithuania 2021 / 7 p. : ill <https://doi.org/10.1109/eStream53087.2021.9431442>

Generator mode analysis of exterior-rotor PM synchronous machine with Gramme's winding
Nukki, Rene; Kilk, Aleksander; Kallaste, Ants; Vaimann, Toomas; Tiimus, Kristjan 2015 IEEE 5th International Conference on Power Engineering, Energy and Electrical Drives (POWERENG) : proceedings : May 11-13, 2015, Riga, Latvia 2015 / p. 347-352 : ill <http://dx.doi.org/10.1109/PowerEng.2015.7266341>

Implementation of different magnetic materials in outer rotor PM generator
Kudrjavitsev, Oleg; Kilk, Aleksander; Vaimann, Toomas; Belahcen, Anouar; Kallaste, Ants 2015 IEEE 5th International Conference on Power Engineering, Energy and Electrical Drives (POWERENG) : proceedings : May 11-13, 2015, Riga, Latvia 2015 / p. 74-78 : ill <http://dx.doi.org/10.1109/PowerEng.2015.7266298>

Low-speed permanent-magnet synchronous generator for small-scale wind power applications
Kilk, Aleksander Oil shale 2007 / 2S, p. 318-331 <https://kirj.ee/public/oilshale/oil-2007-2s-12.pdf>

Modeling and analysis of the synchronous generators excitation systems
Slenduhov, Vadim; Kilter, Jako 13th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 14-19, 2013 2013 / p. 252-257 : ill

Multipole surface-mounted permanent magnet synchronous generators for wind applications
Kilk, Aleksander; Kallaste, Ants 6th International Conference "2008 Power Quality and Supply Reliability" : August 27-29, 2008 : Pärnu, Estonia : conference proceedings 2008 / p. 235-240 : ill

A new virtual synchronous generator design based on the SMES system for frequency stability of low-inertia power grids
Magdy, Gaber; Bakeer, Abualkasim Ahmed Ali; Nour, Morsy; Petlenkov, Eduard Energies 2020 / art. 5641, 17 p. : ill <https://doi.org/10.3390/en13215641> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optimal reactive power control in a multi-machine thermal power plant

Trummal, Tarmo; Andreesen, Guido; Kilter, Jako 2020 21st International Scientific Conference on Electric Power Engineering (EPE), October 19-21, 2020, Prague, Czech Republic 2020 <https://doi.org/10.1109/EPE51172.2020.9269239>

Paljupooluseline püsimagnetitega sünkroongeneraator tuuleagregaatidele = Multipole permanent-magnet synchronous generator for wind power applications

Kilk, Aleksander 2008 https://www.ester.ee/record=b2449810*est

Permanent magnet excited low-speed synchronous generator for wind applications

Kilk, Aleksander; Järvi, Jaan; Kesküla, Viktor 5th International Conference : Electric Power Quality and Supply Reliability : August 23-26, 2006, Viimsi, Estonia : conference proceedings 2006 / p. 155-159 : ill

Permanent magnet low-speed synchronous generator for wind applications

Järvi, Jaan; Kesküla, Viktor; Kilk, Aleksander 51. IWK : Internationales Wissenschaftliches Kolloquium, 11.-15.09.2006 : proceedings 2006 / p. 407-408

Permanent magnet multipole synchronous generator for wind applications

Kilk, Aleksander 4th International Workshop CPE 2005 : Compatibility in Power Electronics : Fifth International Research and Educational Colloquium on Electronics : 1-3 June 2005, Gdynia, Poland 2005 / p. 55-57 : ill

Permanent magnet synchronous generators for small scale wind power applications [Electronic resource]

Järvi, Jaan; Kesküla, Viktor; Kilk, Aleksander; Oorn, Arvo; Reivik, Aivar Proceedings of the 11th International Scientific Symposium : Elektroenergetika 2005 : September 21-23, 2005, Stara Lesna Slovak Republic 2005 / [15] p. : ill. [CD-ROM]

Permanent magnet wind generator with toroidal winding [Electronic resource]

Järvi, Jaan; Kallaste, Ants; Kilk, Aleksander Proceedings of the 11th International Scientific Symposium : Elektroenergetika 2005 : September 21-23, 2005, Stara Lesna Slovak Republic 2005 / [11] p. : ill. [CD-ROM]

Simulation of wind turbine vibrations

Andriushchenko, Ekaterina; Kallaste, Ants; Vaimann, Toomas; Rassõlkin, Anton; Meshkov, Aleksandr; Heidari, Hamidreza; Demidova, Galina 2020 27th International Workshop on Electric Drives: MPEI Department of Electric Drives 90th Anniversary (IWED), Moscow, Russia, January 27-30, 2020 2020 / 4 p <https://doi.org/10.1109/IWED48848.2020.9069567>

Study and verification of a slow speed PM generator with outer rotor for small scale wind turbines

Kilk, Aleksander; Kudrjavev, Oleg PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 19-24 : ill <https://ieeexplore.ieee.org/document/6256198>

Study of low-speed permanent-magnet synchronous generator for wind power turbine applications

Sidon, Mohamed D.; Järvi, Jaan; Kilk, Aleksander 5th International Conference : Electric Power Quality and Supply Reliability : August 23-26, 2006, Viimsi, Estonia : conference proceedings 2006 / p. 161-165 : ill

Switched inductor quasi-Z-source based back-to-back converter for variable speed wind turbines with PMSG

Bisenieks, Lauris; Vinnikov, Dmitri; Ott, Silver Elektronika ir elektrotehnika = Electronics and electrical engineering 2011 / p. 61-66 : ill https://www.researchgate.net/publication/267991247_Switched_Inductor_Quasi-Z-Source_Based_Back-to-Back_Converter_for_Variable_Speed_Wind_Turbines_with_PMSG

Virtual inertia emulation through virtual synchronous generator based superconducting magnetic energy storage in modern power system

Salama, Hossam S.; Bakeer, Abualkasim Ahmed Ali; Magdy, Gaber; Vokony, Istvan Journal of Energy Storage 2021 / Art. 103466 <https://doi.org/10.1016/j.est.2021.103466> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Графический синтез системы регулирования возбуждения синхронного генератора с питанием на повышенной частоте и использованием магнитных усилителей и компаундирующего устройства

Esop, Harri 1960 https://www.ester.ee/record=b1561393*est <https://www.etera.ee/zoom/121380/view?>