

An overview of the impacts of compact fluorescent lamps implementation

Niitsoo, Jaan 10th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 10-15, 2011 2011 / p. 242-245 : ill

Analysis of electricity meters under distorted load conditions

Haas, Ats; Niitsoo, Jaan; Taklaja, Paul; Palu, Ivo PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 281-284 : ill
<https://ieeexplore.ieee.org/document/6256239>

Cable diagnostics methods for determining degradation caused by renewable energy production

Kiitam, Ivar; Taklaja, Paul; Niitsoo, Jaan; Hyvonen, Petri 2015 IEEE 5th International Conference on Power Engineering, Energy and Electrical Drives (POWERENG) : proceedings : May 11-13, 2015, Riga, Latvia 2015 / p. 220-224 : ill

Causes of indefinite faults in Estonian 110 kV overhead power grid

Taklaja, Paul; Oidram, Rein; Niitsoo, Jaan; Palu, Ivo Oil shale 2013 / p. 225-243 : ill https://artiklid.elnet.ee/record=b2631741*est

Consequences of distributed generation on power quality

Niitsoo, Jaan; Kütt, Lauri; Taklaja, Paul 14th International Scientific Conference on Electric Power Engineering 2013 : Kouty nad Desnou, Czech Republic, 28 – 30 May 2013 : proceedings 2013 / p. 163-167

Current harmonics of EV chargers and effects of diversity to charging load current distortions in distribution networks

Kütt, Lauri; Saarijärvi, Eero; Lehtonen, Matti; Mölder, Heigo; Niitsoo, Jaan 2013 International Conference on Connected Vehicles and Expo (ICCVE) : proceedings : Las Vegas, Nevada, USA, 2-6 December 2013 2013 / p. 726-731 : ill
<https://ieeexplore.ieee.org/document/6799884>

Determining the unknown faults of the HV overhead lines

Taklaja, Paul; Niitsoo, Jaan; Palu, Ivo Proceedings of the 13th International Scientific Conference Electric Power Engineering 2012 : EPE 2012 : Brno. Vol. 1 2012 / p. 187-192 : ill

Dispersed generation accommodation into smart grid

Vaimann, Toomas; Niitsoo, Jaan; Kivipõld, Tanel The 52nd Annual International Scientific Conference of Riga Technical University : abstract book and electronic proceedings : Latvia, Riga, 12.-14. October, 2011 2011 / p. ID-42

Distorted load impacts on distribution grid [Electronic resource]

Niitsoo, Jaan; Palu, Ivo Proceedings of the 12th International Scientific Conference Electric Power Engineering 2011, Kouty nad Desnou, Czech Republic, May 17-19, 2011 2011 / p. 37-40 : ill. [CD-ROM]

Electric field distribution in glass and porcelain pin insulators [Electronic resource]

Taklaja, Paul; Kiitam, Ivar; Niitsoo, Jaan; Hyvönen, Petri; Klüss, Joni 2015 IEEE 15th International Conference on Environment and Electrical Engineering : conference proceedings : June 10-13, 2015, Rome 2015 / p. 267-271 : ill. [CD-ROM]
<http://dx.doi.org/10.1109/EEEIC.2015.7165550>

Electric vehicle charger load current harmonics variations due to supply voltage level differences - case examples

Kütt, Lauri; Saarijärvi, Eero; Lehtonen, Matti; Mölder, Heigo; Niitsoo, Jaan 2014 International Symposium on Power Electronics, Electrical Drives, Automation and Motion (SPEEDAM) : 18-20 June, 2014, Ischia, Italy : proceedings 2014 / p. 917-922 : ill

Electricity consumption analysis and power quality monitoring in commercial buildings

Drovtar, Imre; Niitsoo, Jaan; Rosin, Argo; Kilter, Jako; Palu, Ivo PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 107-112 : ill
<https://ieeexplore.ieee.org/document/6256212>

Elektrienergiaarvestite analüüs moonutatud voolu korral

Niitsoo, Jaan TalveAkadeemia 2013 : [teaduslikud lühiaartiklid]. Kogumik 11/2013 2013 / lk. 90-100 : ill

Elektrisüsteemi audit ehk kas paber võib päästa elu?

Niitsoo, Jaan Elektriala 2016 / lk. 27 https://artiklid.elnet.ee/record=b2797345*est

Estimating the harmonic distortions in a distribution network supplying EV charging load using practical source data - case example

Kütt, Lauri; Saarijärvi, Eero; Lehtonen, Matti; Mölder, Heigo; Niitsoo, Jaan 2014 IEEE Power and Energy Society General Meeting : National Harbor, MD, USA, 27-31 July 2014 2014 / [5] p. : ill

Euroliit on teinud hõõglambist poliitvangi

Niitsoo, Jaan Eesti Päevaleht 2011 / lk. 4

Facing distorted current and undesirable consumption in smart grids

Niitsoo, Jaan; Šuvalova, Jelena; Haas, Ats; Palu, Ivo; Taklaja, Paul 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. 142-146 : ill

Harmonic levels of domestic and electrical vehicle loads in residential distribution networks

Niitsoo, Jaan; Kilter, Jako; Palu, Ivo; Taklaja, Paul; Kütt, Lauri Proceedings of IEEE AFRICON 2013 Conference : 9-12 September 2013, Mauritius 2013 / p. 184-188 <https://doi.org/10.1109/AFRICON.2013.6757800> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Impulse characteristics of 24 kV overhead line pin insulators

Taklaja, Paul; Hyvönen, Petri; Niitsoo, Jaan; Palu, Ivo; Klüss, Joni 12th International Conference on Environment and Electrical Engineering (EEEIC) : Wroclaw, Poland, 5-8 May 2013 2013 / p. 641-645 : ill <https://ieeexplore.ieee.org/document/6549575>

Investigation of undesirable consumption and distorted current

Niitsoo, Jaan; Palu, Ivo Proceedings of the 13th International Scientific Conference Electric Power Engineering 2012 : EPE 2012 : Brno. Vol. 1 2012 / p. 287-291 : ill https://www.researchgate.net/publication/289013451_Investigation_of_undesirable_consumption_and_distorted_current

Kompaktluminofoorlampide kasutuselevõtu mõju elektrivõrgule

Niitsoo, Jaan TalveAkadeemia 2011 : teaduslikud lühiaartiklid 2011. Kogumik 9 2011 / lk. 40-47 : ill

Main bird excrement contamination type causing insulator flashovers in 110 kV overhead power lines in Estonia

Taklaja, Paul; Oidram, Rein; Niitsoo, Jaan; Palu, Ivo Oil shale 2013 / p. 211-224 : ill https://artiklid.elnet.ee/record=b2631738*est <https://doi.org/10.3176/oil.2013.2S.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modelling EVs in residential distribution grid with other nonlinear loads [Electronic resource]

Niitsoo, Jaan; Taklaja, Paul; Palu, Ivo; Kiitam, Ivar 2015 IEEE 15th International Conference on Environment and Electrical Engineering : conference proceedings : June 10-13, 2015, Rome 2015 / p. 1543-1548 : ill. [CD-ROM] <http://dx.doi.org/10.1109/EEEIC.2015.7165401>

Overview of information and communication issues for smart grid solutions

Kivipõld, Tanel; Niitsoo, Jaan 10th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 10-15, 2011 2011 / p. 108-112

Parasiitenergia kodumajapidamistes

Niitsoo, Jaan TalveAkadeemia 2012 : [teaduslikud lühiaartiklid]. Kogumik 10/2012 2012 / lk. 124-135 : ill

Parasiitenergia kodumajapidamistes (koostöös Talveakadeemiaga)

Niitsoo, Jaan Värske aju [Võrguteavik] 2012 / 1 lk. : ill <http://www.v2rskeaju.eu/2012/03/parasiitenergia-kodumajapidamistes-koostoo-talveakadeemiaga/>

Power quality issues concerning photovoltaic generation and electrical vehicle loads in distribution grids

Niitsoo, Jaan; Taklaja, Paul; Palu, Ivo; Klüss, Joni Smart grid and renewable energy 2015 / p. 164-177 : ill

Power quality issues concerning photovoltaic generation in distribution grids

Niitsoo, Jaan; Jarkovoi, Marek; Taklaja, Paul; Klüss, Joni; Palu, Ivo Smart grid and renewable energy 2015 / p. 148-163 : ill

Power quality issues in dispersed generation and smart grids

Vaimann, Toomas; Niitsoo, Jaan; Kivipõld, Tanel; Lehtla, Tõnu Elektronika ir elektrotehnika = Electronics and electrical engineering 2012 / p. 23-26 : ill <https://citeseerx.ist.psu.edu/document?repid=rep1&type=pdf&doi=573c03a0753bcfce3929ba739ff032b16882acf5>

Preventing bird streamer outages using alternative tower configurations

Taklaja, Paul; Hyvönen, Petri; Klüss, Joni; Niitsoo, Jaan; Palu, Ivo IEEE transactions on power delivery 2014 / p. 2402-2409 : ill <https://doi.org/10.1109/TPWRD.2014.2303084> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Residential load harmonics in distribution grid

Niitsoo, Jaan; Palu, Ivo; Kilter, Jako; Taklaja, Paul; Vaimann, Toomas The 3rd International Conference on Electric Power and Energy Conversion Systems (EPECS 2013) : [proceedings] 2013 / p. 1-6 : ill

Residential grids power quality analyses concerning nonlinear consumer loads and PV panels = Madalpingevõrgu elektrikvaliteedi analüüs seoses ebalineaarsete elektrienergia tarbijate ja päikesepaneelidega

Niitsoo, Jaan 2016 <https://digi.lib.ttu.ee/i/?6995> https://www.ester.ee/record=b4640583*est

A review of the effects of electric vehicle charging on distribution network operation and power quality

Kütt, Lauri; Saarijärvi, Eero; Lehtonen, Matti; Mölder, Heigo; Niitsoo, Jaan Electrical and Control Technologies : proceedings of

A review of the harmonic and unbalance effects in electrical distribution networks due to EV charging

Kütt, Lauri; Saarijärvi, Eero; Lehtonen, Matti; **Mölder, Heigo**; **Niitsoo, Jaan** 12th International Conference on Environment and Electrical Engineering (EEEIC) : 5-8 May 2013 2013 / [6] p

Säästulamp toob kaasa uued probleemid

Niitsoo, Jaan Inseneeria 2011 / lk. 24-26 : ill https://www.ester.ee/record=b1519314*est

Undesirable usage of energy in residential house

Niitsoo, Jaan; **Palu, Ivo** 11th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 16-21, 2012 2012 / p. 126-128 : ill

Wet test on naturally polluted glass and composite insulators

Taklaja, Paul; **Niitsoo, Jaan**; **Palu, Ivo** PQ2012 : 8th International Conference : 2012 Electric Power Quality and Supply Reliability : June 11-13, 2012, Tartu, Estonia : conference proceedings 2012 / p. 261-266 : ill <https://ieeexplore.ieee.org/document/6256236>

Wind park and transmission network cooperation considering Grid Code requirements

Kilter, Jako; Dubbelman, Edgar; **Palu, Ivo**; **Niitsoo, Jaan** Electrical and Control Technologies : proceedings of the the 7th International Conference on Electrical and Control Technologies ECT-2012 2012 / p. 183-188 : ill
https://www.researchgate.net/publication/290252818_Wind_park_and_transmission_network_cooperation_considering_Grid_Code_requirements

Volt-time characteristics of medium voltage overhead line porcelain pin insulators

Taklaja, Paul; Hyvönen, Petri; **Niitsoo, Jaan**; **Palu, Ivo**; Klüss, Joni; **Kütt, Lauri** 14th International Scientific Conference on Electric Power Engineering 2013 : Kouty nad Desnou, Czech Republic, 28 – 30 May 2013 : proceedings 2013 / p. 423-427