

### **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, Aats; 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](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 lühiartiklid]. 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](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/AFRCON.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](https://www.researchgate.net/publication/289013451_Investigation_of_undesirable_consumption_and_distorted_current)

**Kompaktluminofoorlampide kasutuselevõtu mõju elektrivõrgule**

**Niitsoo, Jaan** TalveAkadeemia 2011 : teaduslikud lühiartiklid 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://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 lühiartiklid]. 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 elektrikaliteedi analüüs seoses ebalineaarsete elektrienergia tarbijate ja päikesepaneelidega**

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

the 8th International Conference on Electrical and Control Technologies : ECT-2013 2013 / p. 162-167

**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](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](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