

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>

Analysis of electromagnetic force ripple in a bearingless synchronous reluctance motor

Mukherjee, Victor; Rasilo, Paavo; Martin, Florian; Belahcen, Anouar IEEE transactions on magnetics 2021 / art. 9277612, 8 p. : ill
<https://doi.org/10.1109/TMAG.2020.3041703> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Assessment of voltage instrument transformers accuracy for harmonic measurements in transmission systems [Online resource]

Stiegler, Robert; Meyer, Jan; Kilter, Jako; Konzelmann, Simon Proceedings of 2016 17th International Conference on Harmonics and Quality of Power (ICHQP) : Belo Horizonte, Minas Gerais, Brazil, 16-19 October 2016 2016 / p. 152-157 : ill
<https://doi.org/10.1109/ICHQP.2016.7783472>

Bivariate stochastic model of current harmonic analysis in the low voltage distribution grid

Iqbal, Muhammad Naveed; Kütt, Lauri; Daniel, Kamran; Jarkovoi, Marek; Asad, Bilal; Shabbir, Noman Proceedings of the Estonian Academy of Sciences 2021 / p. 190–206 : ill <https://doi.org/10.3176/proc.2021.2.08> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

CMOS technology based current source with harmonic reducing properties

Kasemaa, Argo; Annus, Paul Elektronika ir elektrotehnika = Electronics and electrical engineering 2010 / 10, p. 143-146 : ill
<https://eejournal.ktu.lt/index.php/elt/article/view/9145>

Effect of Bulk Capacitor on Harmonics of Energy-Efficient Devices

Daniel, Kamran; Kütt, Lauri; Lehtonen, Matti; **Shabbir, Noman; Iqbal, Muhammad Naveed;** Martins, Joao; Simson, Päivo IEEE Access 2025

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

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

Estimation of harmonic emission of electric vehicles and their impact on low voltage residential network

Iqbal, Muhammad Naveed; Kütt, Lauri; Daniel, Kamran; Asad, Bilal; Shams Ghahfarokhi, Payam Sustainability 2021 / art. 8551 <https://doi.org/10.3390/su13158551> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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 current summation using probabilistic bivariate modelling = Vooluharmonoonikute summeerimine rakendades kahe muutujaga tõenäosuslikku modelleerimist

Jarkovoi, Marek 2019 <https://digikogu.taltech.ee/et/Item/35d500c0-f295-4dd5-b8a5-8feb6a184d32>

Harmonic/inter-harmonics detection using modified exact model order-based ESPRIT

Srivastava, Ankit Kumar; Tiwari, A.N; Singh, Sri Niwas; Singh, Praveen Prakash International Journal of Power Electronics 2023 / p. 218-233 <https://doi.org/10.1504/IJPELEC.2023.10053284> [Journal metrics at Scopus](#) [Article at Scopus](#)

Higher harmonic compensation and minimisation in DC controlled reactor for electric power systems

Tellinen, Juhan; Järvi, Jaan EPQU'97 : 4th International Conference Electrical Power Quality and Utilisation, September 23-25, 1997, Cracow, Poland : proceedings 1997 / p. 233-236: ill <https://research.aalto.fi/en/publications/higher-harmonic-compensation-and-minimization-in-dc-controlled-re>

Inaccuracies and uncertainties for harmonic estimation in distribution networks

Iqbal, Muhammad Naveed; Kütt, Lauri; Daniel, Kamran; Shabbir, Noman; Amjad, Anas; Awan, Abdul Waheed; Ali, Majid Sustainability 2024 / art. 6523 <https://doi.org/10.3390/su16156523> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Load current harmonic sensitivity of AC/DC power converters of energy efficient devices = Energiatõhusate seadmete vahelduv-alalisvoolumuundurite koormusvoolu harmoonikute tundlikkus

Daniel, Kamran 2024 <https://doi.org/10.23658/taltech.35/2024> <https://digikogu.taltech.ee/et/Item/6401470b-5c33-473d-b82c-5793dfb1c543>

Load current harmonics analysis and modelling

Daniel, Kamran 22nd International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Pärnu, Estonia, August 23-26, 2023 2023 / p. 77-78 : ill https://www.ester.ee/record=b5570906*est

Measurement based approach for residential customer stochastic current harmonic modelling = Mõõtmispõhine lähenemine olmetarbijate vooluharmonikute juhusliku esinemise modelleerimiseks

Iqbal, Muhammad Naveed 2021 https://www.ester.ee/record=b5454042*est <https://digikogu.taltech.ee/et/Item/cc2248c5-5530-44fb-8150-51de0e7832ad> <https://doi.org/10.23658/taltech.43/2021>

Minimisation of higher harmonics in high power saturable reactors for AC power transmission lines

Tellinen, Juhan; Järvik, Jaan Power Quality '98 : [International Conference, June 18-20, 1998] : Hyderabad, India / The Institute of Electrical and Electronics Engineers, Inc 1998 / p. 133-138: ill <https://ieeexplore.ieee.org/document/710367>

Multiport converter with integrated energy storage for hydrogen buffer interfacing with renewable energy systems [Electronic resource]

Andrijanovič, Anna; Blinov, Andrei; Husev, Oleksandr; Vinnikov, Dmitri 2012 IEEE International Conference on Industrial Technology : proceedings CD 2012 / p. 235-240 : ill [CD-ROM] <https://ieeexplore.ieee.org/document/6209943>

Power factor correction of three-phase diode rectifiers using optimum ripple currents injection [Electronic resource]

Sakkos, Tiiu; Sarv, Vello EPE 2005 Dresden : 11th European Conference on Power Electronics and Applications : 11-14 September 2005, Dresden, Germany 2005 / [7] p. : ill. [CD-ROM] <https://ieeexplore.ieee.org/abstract/document/1665413/similar#similar>

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>

Preliminary study on voltage level influence on harmonic current of LED lamps

Jarkovoi, Marek; Kütt, Lauri 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. 116-120 : ill http://www.ester.ee/record=b4650094*est

Reduction of network harmonics using PWM-rectifiers

Ollila, J. Тезисы докладов семинара "Новые направления научных исследований в области электромеханики" 1991 / с. 25-28.: ил

A review of harmonic detection, suppression, aggregation and estimation techniques

Daniel, Kamran; Kütt, Lauri; Iqbal, Muhammad Naveed; Shabbir, Noman; Raja, Hadi Ashraf; Sardar, Muhammad Usman Applied sciences 2024 / art. 10966 <https://doi.org/10.3390/app142310966> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Survey of harmonic emission of electrical vehicle chargers in the European market

Collin, A. J.; Xu, Xiao; Djokic, S. Z.; Möller, F.; Meyer, Jan; Kütt, Lauri; Lehtonen, Matti SPEEDAM 2016 - proceedings : International Symposium on Power Electronics, Electrical Drives, Automation and Motion : Capri (Italy), 22nd-24th June 2016 2016 / p. 1208-1213 : ill <https://doi.org/10.1109/SPEEDAM.2016.7526005>

Sünkroonmuundustehnika faasitundliku spektraalanalüüsi vahendina : magistritöö

Land, Raul 1992 https://www.ester.ee/record=b2630379*est

Waveform variation defined model for harmonic current emissions including cross-order supply voltage harmonics influence

Daniel, Kamran; Kütt, Lauri; Iqbal, Muhammad Naveed; Shabbir, Noman; Jarkovoi, Marek; Parker, Martin IEEE Access 2023 / p. 42276-42289 : ill <https://doi.org/10.1109/ACCESS.2023.3270805> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Voltage main harmonic level influence on harmonic current emission modeling

Daniel, Kamran; Kütt, Lauri; Iqbal, Muhammad Naveed; Shabbir, Noman; Jarkovoi, Marek; Parker, Martin 2023 International Conference on Future Energy Solutions (FES) 2023 / p. 1-6 <https://doi.org/10.1109/FES57669.2023.10183302>

Индуктивное сопротивление, обусловленное высшими пространственными гармоническими плоских линейных индукционных машин с одним индуктором

Parts, Innari; Parts, R. Сборник материалов к IV Таллинскому совещанию по электромагнитным расходомерам 1969 / с. 71-87 : ил https://www.ester.ee/record=b1526092*est