

Analysis of current doubler rectifier based high frequency isolation stage for intelligent transformer [Electronic resource]
Beldjajev, Viktor; Roasto, Indrek; Vinnikov, Dmitri CPE 2011 : 7th International Conference-Workshop Compatibility and Power Electronics : June 1-3, 2011, Tallinn, Estonia : conference guide 2011 / p. 336-341 [CD-ROM]

Analysis of insulation degradation behavior based on partial discharge measurement

Choudhary, Maninder 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. 71-72 : ill
https://www.ester.ee/record=b5570906*est

Assessing the accuracy of EN ISO 13370 simplified method for edge insulation: A comparative analysis with steady-state and dynamic simulation models

Lomp, Siim; Kalamees, Targo; Hallik, Jaanus Multiphysics and Multiscale Building Physics : Proceedings of the 9th International Building Physics Conference (IBPC 2024) ; Volume 1: Moisture and Materials 2025 / p. 533-539 https://doi.org/10.1007/978-981-97-8305-2_75

Characterization of corona and internal partial discharge under increasing electrical stress using time domain analysis

Shafiq, Muhammad; Kiitam, Ivar; Taklaja, Paul; Hussain, Amjad; Kütt, Lauri; Kauhaniemi, Kimmo 2020 IEEE Electrical Insulation Conference : EIC 2020 2020 / vol. 217-220 <https://doi.org/10.1109/EIC47619.2020.9158701>

Circular renovation of an apartment building with prefabricated additional insulation elements to nearly zero energy building

Nigumann, Eero; Kalamees, Targo; Kuusk, Kalle; Pihelo, Peep Journal of sustainable architecture and civil engineering 2024 / p. 22-34 <https://doi.org/10.5755/j01.sace.34.1.35674> [Journal metrics at Scopus](#) [Article at Scopus](#)

A Comprehensive Study of Partial Discharge Based Extrinsic Aging in Nomex Insulation Films : Modeling, Simulation and Measurement

Choudhary, Maninder; Shafiq, Muhammad; Bhattarai, Abhinav; Kiitam, Ivar; Taklaja, Paul; Palu, Ivo Electric Power Systems Research 2025 / art. 111663 <https://doi.org/10.1016/j.epsr.2025.111663>

Design of separating function - state of the art

Just, Alar; Tiso, Mattia; Fragiaco, Massimo Proceedings of the 1st European Workshop Fire Safety of Green Buildings : Berlin, Germany, 6-7 October 2015 2015 / p. 62-64

Dual active bridge based isolation stage for power electronic transformer

Beldjajev, Viktor; Roasto, Indrek 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 / lk. 216-219 : ill

Effect of freezing and thawing on the performance of "capillary active" insulation systems: a comparison of results from climate chamber study to HAM modelling

Klõšeiko, Paul; Varda, Kadi; Kalamees, Targo Energy procedia 2017 / P. 525-530 : ill <https://doi.org/10.1016/j.egypro.2017.09.714>
[Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Effect of mineral wool insulations on charring of timber members

Just, Alar; Schmid, Joachim WCTE : World Conference on Timber Engineering : New Zealand, Auckland, 15-19 July 2012 2012 / [7] p. : ill

Efficiency optimization of the high-power isolated DC/DC converters through THD and losses reduction in isolation transformers [Electronic resource]

Vinnikov, Dmitri; Bolgov, Viktor International Conference on Renewable Energies and Power Quality : ICREPQ'09 : Valencia, Spain, 15th to 17th April, 2009 2009 / [7] p. : ill. [CD-ROM]
https://www.researchgate.net/publication/237808470_Efficiency_Optimization_of_the_High-Power_Isolated_DCDC_Converters_through_THD_and_Losses_Reduction_in_Isolation_Transformers

Eristysrakenteiden suunnittelu Venäjällä

Sasi, Lennart Venäjän rakentamisen oppikirja. Osa B, Talonrakennustekniikka 2001 / s. 31-48

Fault-tolerant galvanically isolated DC/DC converters with zero redundancy = Null-liiasusega veatolerantsed galvaanilise isolatsiooniga alalispingemuundurid

Bakeer, Abualkasim Ahmed Ali 2023 <https://doi.org/10.23658/taltech.18/2023> <https://digikogu.taltech.ee/et/Item/a9433801-e32e-4f98-af87-454e414646f4> https://www.ester.ee/record=b5558648*est

Fire design method of timber frame elements with bio-based insulation

Werther, Norman; Hofmann, Veronika; Kammerer, Elisabeth; Rauch, Michael; Winter, Stefan; Mäger, Katrin Nele Proceedings of the I Forum Wood Building Baltic, 2019 : [27.02-1.03.2019, Tallinn] 2019 / p. 82-83 https://www.ester.ee/record=b5197207*est

Grounding and isolation requirements in DC microgrids: overview and critical analysis

Azizi, Mohammadreza; **Husev, Oleksandr**; Veligorskyi, Oleksandr; **Rahimpour, Saeed**; **Roncero-Clemente, Carlos** Energies 2023 / art. 7747, 23 p. : ill <https://doi.org/10.3390/en16237747> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hygrothermal analysis of masonry wall with reed boards as interior insulation system

Keskküla, Kadri; Aru, Tambet; **Kiviste, Mihkel**; Miljan, Martti-Jaan Energies 2020 / art. 5252, 10 p. : ill

<https://doi.org/10.3390/en13205252> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hygrothermal performance of prefabricated insulation elements for serial renovation of apartment buildings in a moderately continental German climate

Pihelo, Peep; **Kalamees, Targo** Journal of Physics: Conference Series 2023 / art. 012001 <https://doi.org/10.1088/1742-6596/2654/1/012001>

[Conference proceedings at Scopus](#) [Article at Scopus](#)

Identification and location of PD defects in medium voltage underground power cables using high frequency current transformer

Shafiq, Muhammad; **Kiitam, Ivar**; **Taklaja, Paul**; **Kütt, Lauri**; Kauhaniemi, Kimmo; **Palu, Ivo** IEEE Access 2019 / art. 8771171, p. 103608 - 103618 : ill <https://doi.org/10.1109/ACCESS.2019.2930704>

[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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>

Insulation aging and framework for the development of aging model based on partial discharge analysis

Choudhary, Maninder 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 79-80 : ill https://www.ester.ee/record=b5504019*est

[Article at Scopus](#)

Investigation of partial discharge characteristics in XLPE cable insulation under increasing electrical stress

Choudhary, Maninder; Shafiq, Muhammad; **Kiitam, Ivar**; **Palu, Ivo**; Hassan, Waqar; **Singh, Praveen Prakash** Engineering failure analysis 2024 / art. 108006 <https://doi.org/10.1016/j.engfailanal.2024.108006>

[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Isolatsiooni koordinaatsioonist IEC ja GOSTi piirimail

Metusala, Tiit Põhja Elektrivõrkude Infoleht 1995 / 12, lk. 7-10: ill

A method to develop energy activated ETICS

Ilomets, Simo; Heim, Dariusz; Chodak, Ivan; Czarny, Dariusz; **Kalamees, Targo** E3S Web of Conferences : 12th Nordic Symposium on Building Physics (NSB 2020) : Tallinn, Estonia, September 6-9, 2020 2020 / art. 21006, 8 p. : ill

<https://doi.org/10.1051/e3sconf/202017221006> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

A Multi-Method Approach to Solid Insulation Aging Based on Partial Discharge Measurement = Osalahenduste mõõtmisel põhinev mitmetoodiline lähenemine tahke isolatsiooni vananemisele

Choudhary, Maninder 2025 https://www.ester.ee/record=b5770973*est <https://doi.org/10.23658/taltech.86/2025>

<https://digikogu.taltech.ee/et/Item/cb37c9d8-aad4-4e09-8759-1125ea1247e0>

New step-up DC/DC converter with high-frequency isolation

Vinnikov, Dmitri; **Roasto, Indrek**; **Jalakas, Tanel** IECON 2009 : 35th Annual Conference of the IEEE Industrial Electronics Society : Porto, Portugal, 3-5 November 2009 : preprint proceedings 2009 / p. 667-672 : ill <https://ieeexplore.ieee.org/document/5415000>

Numerical analysis of additional heat loss induced by air cavities between insulation boards due to non-ideality

Hallik, Jaanus; **Klõšeiko, Paul**; **Piir, Reimo**; **Kalamees, Targo** Journal of building engineering 2022 / art. 05221

<https://doi.org/10.1016/j.job.2022.105221> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Partial discharge pulse shape analysis for progression of insulation degradation in medium voltage cable

Choudhary, Maninder; **Shafiq, Muhammad**; **Kiitam, Ivar**; **Palu, Ivo**; Hassan, Waqar 2023 International Electrical Engineering Congress (iEECON) 2023 / p. 332-336 <https://doi.org/10.1109/IEECON56657.2023.10126589>

Performance comparison of PD data acquisition techniques for condition monitoring of medium voltage cables

Shafiq, Muhammad; **Kiitam, Ivar**; Kauhaniemi, Kimmo; **Taklaja, Paul**; **Kütt, Lauri**; **Palu, Ivo** Energies 2020 / art. 4272, 14 p. : ill

<https://doi.org/10.3390/en13164272> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Performance evaluation and development of prefabricated insulation elements for renovation of apartment buildings with autoclaved aerated concrete external walls

Pihelo, Peep; **Kalamees, Targo** Energy and buildings 2025 / art. 115439 <https://doi.org/10.1016/j.enbuild.2025.115439>

Preliminary field study on hygrothermal performance of ETICS using thick lime plasters on various insulation materials

for historic buildings in wet and cold climate

Talvik, Martin; Klõšeiko, Paul; Vilba, Kristina; Põldaru, Mattias; Olak, Henri; Kalamees, Targo 2025

Pööningukorruse isolatsioon

Kalamees, Targo Pööning : ajalooga majad, aiad ja disainiklassika 2021 / lk. 46-52 : fot https://www.ester.ee/record=b4516546*est

Research and development of the new topologies for the isolation stage of the power electronic transformer = Jõuelektroonilise trafo isolatsioonilüli uudsete topoloogiate uurimine ja arendamine

Beldjajev, Viktor 2013 http://www.ester.ee/record=b2969664*est

Review and outlook of isolated capacitive coupling based converters

Pourjafar, Saeed; Husev, Oleksandr; Roncero-Clemente, Carlos 2024 IEEE 18th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2024 / 6 p. <https://doi.org/10.1109/CPE-POWERENG60842.2024.10604421>

Structural fire design of timber frame assemblies insulated by glass wool and covered by gypsum plasterboards = Klaasvillaga täidetud ning kipsplaatidega kaetud puittarindite tulepüsivus

Just, Alar 2010 https://www.ester.ee/record=b2634535*est

Study of partial discharge characteristics in medium voltage cable insulation with internal defect

Choudhary, Maninder; Palu, Ivo; Kiitam, Ivar; Shafiq, Muhammad; Taklaja, Paul 2024 IEEE International Conference on High Voltage Engineering and Applications (ICHVE) 2024 / 4 p <https://doi.org/10.1109/ICHVE61955.2024.10676188>

Study of the behaviour of partial discharges for proactive diagnostics in medium voltage cables

Shafiq, Muhammad; Kiitam, Ivar; Taklaja, Paul; Parker, Martin; Palu, Ivo; Kütt, Lauri 2021 IEEE PES/IAS PowerAfrica, PowerAfrica 2021 2021 / p. 1-5 <https://doi.org/10.1109/PowerAfrica52236.2021.9543233>

Tehniliste paigaldiste termiline isoleerimine [Võrguteavik] : torustikud, mahutid ja seadmed. Soojusisolatsiooni teostus = Thermal insulation of technical equipment : insulation of pipes, vessels and equipment. Application of thermal insulation

2020 https://www.ester.ee/record=b5381894*est

Tehniliste paigaldiste termiline isoleerimine. Osa 1, Torustikud, mahutid ja seadmed. Isolatsioonimaterjalid ja -elemendid [Võrguteavik] = Thermal insulation of technical equipment. Part 1, Insulation of pipes, vessels and equipment. Insulating materials and elements

2020 https://www.ester.ee/record=b5381873*est

Tehniliste paigaldiste termiline isoleerimine. Osa 6, Torustikud, mahutid ja seadmed. Külmaisolatsioon [Võrguteavik] = Thermal insulation of technical equipment. Part 6, Insulation of pipes, vessels and equipment. Cold insulation

2020 https://www.ester.ee/record=b5381882*est

The application of partial discharge monitoring system for instrument transformers: special issues

Khalasmaa, Alexandra I.; Stepanova, Alina; Eroshenko, Stanislav A.; Bolgov, Viktor; Chung, Tran Chung 2020 21-st International Symposium on Electrical Apparatus and Technologies (SIELA), 3-6 June 2020, Bourgas, Bulgaria : proceedings 2020 / 4 p <https://doi.org/10.1109/SIELA49118.2020.9167108>

The effect of cracks and voids on heat loss of insulated CLT walls and roofs

Hallik, Jaanus; Kalamees, Targo Proceedings of the III Forum Wood Building Baltic, Riga Technical University, 09-10.05, 2022, Riga, Latvia 2022 / p. 44-45 <https://forumwoodbuilding.rtu.lv/wp-content/uploads/sites/37/2022/05/FWBB2022-2022.05.09-speakers-day-1-and-2.pdf>

The study of discharge characteristics of medium voltage overhead line insulators

Taklaja, Paul; Annus, Aleksander; Oidram, Rein 5th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology : Kuressaare, January 14-19, 2008 2008 / p. 24-27 : ill

Viirus: kolmas meistriliiga tiim läks isolatsiooni

Õhtuleht 2021 / Lk. 18 : fot <https://dea.digar.ee/article/ohutuleht/2021/02/04/17.8>

Õhulekked tehases toodetud puitmajas

Kalbe, Kristo EhitusEST 2021 / lk. 22-23 : ill https://www.ester.ee/record=b4442657*est <https://ehitusest.ee/uudis/2021/03/23/ohulekked-tehases-toodetud-puitmajas/>

Õhulekked tehases toodetud puitmajas ja nende vältimine

Kalbe, Kristo Ehitaja 2021 / lk. 40-42 : fot https://www.ester.ee/record=b1072123*est <https://www.ehitusuudised.ee/uudised/2021/04/15/kuidas-valtida-ohulekkeid-tehases-toodetud-puitmajas>

Влияние конструктивных параметров на качество пропитки изоляции обмоток асинхронных двигателей

Vereš, Aleksander; Brõzgalov, V. Электротехническая промышленность. Электрические машины : реферативный научно-

технический сборник 1979 / с. 3-5 : илл https://www.ester.ee/record=b2896260*est

Индикатор сопротивления изоляции в процессе монтажа оборудования

Kolk, Arno; Sinivee, Veljo; Veimer, Vladimir; Kurik, Lembit XXX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 8-10 апреля 1986 года : тезисы докладов. Том I, Общественные науки. Физико-математические науки. Строительство. Экономика 1986 / с. 48
https://www.ester.ee/record=b1305540*est

О возможностях использования сланцевого битума для изоляции магистральных газопроводов

Kask, Karl; Petuhhov, Jevgeni; Tamvelius, Hindrek Химия и технология горючих сланцев и продуктов их переработки 1960 / с. 255-261 : илл https://www.ester.ee/record=b2110626*est