

Aasta insener 2021 Argo Rosin: rohepööre tõstab inseneride palgad edetabelite tippu

Rosin, Argo Director. Inseneeria 2022 / lk. 22-29 : fot https://www.ester.ee/record=b1519314*est <https://director.ee/2022/01/28/aasta-insener-2021-argo-rosin-rohepoore-tostab-inseneride-palgad-edetabelite-tippu/>

Aasta teadlane: alalisvool aitab parandada hoone energiatõhusust 18 protsenti

Alvela, Ain postimees.ee 2023 [Aasta teadlane: alalisvool aitab parandada hoone energiatõhusust 18 protsenti](#)

Aasta tehnikaüliõpilane 2021 on Karolina Kudelina

Vaimann, Toomas Meie Leht 2021 / lk. 4 http://narva-joesuu.ee/documents/2032926/30038466/Meie_Leht_DETSEMBER_2021_EST.pdf/6812d56d-dce2-4684-87ee-72639332075f

Aasta tehnikaüliõpilane Brenda Pent: inseneeria on naiste ala ja ülipõnev

Kamps, Mari visionest.institute 2024 [Aasta tehnikaüliõpilane Brenda Pent: inseneeria on naiste ala ja ülipõnev](#)

ABB YuMi high-speed pick and place game in action

Zahavi, Ali; Al Afrange, Fadi; Najafi Haeri, Shahriar; Ajeevan, Udith; **Chamara Liyanage, Dhanushka** Proceedings of the 29th International DAAAM Symposium "Intelligent Manufacturing & Automation" : 24-27th October 2018, Zadar, Croatia 2018 / p. 1216–1221 : ill <https://doi.org/10.2507/29th.daaam.proceedings.176>

AC losses analysis approaches for electric vehicle motors with hairpin winding configuration

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AC magnetic loss reduction of SLM processed Fe-Si for additive manufacturing of electrical machines

Tiismus, Hans; **Kallaste, Ants**; Belahcen, Anouar; **Tarraste, Marek**; **Vaimann, Toomas**; **Rassõlkin, Anton**; **Asad, Bilal**; **Ghahfarokhi, Payam Shams** Energies 2021 / 13 p. : ill <https://doi.org/10.3390/en14051241> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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Accessible battery model with aging dependency

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ADCS development for student CubeSat satellites - TalTech case study

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2021 https://www.ester.ee/record=b5479190*est

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2021 https://www.ester.ee/record=b5479192*est

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IoT based tools and methods for electrical machine diagnostics = Asjade interneti põhised tööriistad ja meetodid elektrimasinate diagnostikaks

Raja, Hadi Ashraf 2023 <https://doi.org/10.23658/taltech.20/2023> <https://digikogu.taltech.ee/et/Item/3015334f-c32b-43ae-ba2d-bfcd4536aba5>
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Vill, Ants Director. Inseneeria 2019 / lk. 61-67 : fot http://www.ester.ee/record=b2336521*est <https://director.ee/2019/10/02/iselaev-kais-mere-taga/?v=a57b8491d1d8>

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Tamm, Kadri TööstusEST 2019 /lk. 34-38 : ill http://www.ester.ee/record=b4481084*est <https://toostusest.ee/uudis/2019/05/14/isesoitvat-autot-taiendab-nuud-robotlaev/>

Isolated high-frequency link PFC rectifier with high step-down factor and reduced energy circulation

Blinov, Andrei; Vinnikov, Dmitri; Romero-Cadaval, Enrique; Martins, João F.; Peftitsis, Dimosthenis IEEE journal of emerging and selected topics in industrial electronics 2022 / p. 788-796 <https://doi.org/10.1109/JESTIE.2021.3126226>

Isolated matrix converters = Isoleeritud maatriksmuundurid

Korkh, Oleksandr 2021 https://www.ester.ee/record=b5395693*est <https://digikogu.taltech.ee/et/Item/34baf9fc-42aa-45ce-b071-3b8886c7903e> <https://doi.org/10.23658/taltech.4/2021>

Isolatsiooni koordinaatsioon. Osa 1, Määratlused, põhimõtted ja reeglid [Võrguteavik] = Insulation co-ordination. Part 1, Definitions, principles and rules (IEC 60071-1:2019)

2020 https://www.ester.ee/record=b5298925*est

Ivo Palu : tuleviku tarkvõrk vajab kõiki oskusi, mis TalTechi majast leida võib

Palu, Ivo Mente et Manu 2018 / lk. 4-7 : fot http://www.esther.ee/record=b1242496*est <http://dea.digar.ee/publication/AKmenteetmanu>
<https://taltech.ee/avalehekulg/?id=10641&category=128006#newsTabsMenu>

Jalakäijate ülekäiguradade valgustamine lisavalgustusega. Osa 1, Kvaliteedi üldnäitajad ja juhisväärtused = Lighting of pedestrian crossings with additional lighting. Part 1, General quality characteristics and guide values

2024 https://www.ester.ee/record=b5674202*est

Jalakäijate ülekäiguradade valgustamine lisavalgustusega. Osa 2, Arvutamine ja mõõtmine = Lighting of pedestrian crossings with additional lighting. Part 2, Calculation and measurement

2024 https://www.ester.ee/record=b5674203*est

Joint planning of EV fast charging stations and power distribution systems with balanced traffic flow assignment

Yang, Wentao; Liu, Weijia; Chung, Chi Yung; **Wen, Fushuan** IEEE transactions on industrial informatics 2021 / p. 1795–1809 : ill
<https://doi.org/10.1109/TII.2020.2995742> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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Saar, Sandra; Rosin, Jakob novaator.err.ee 2024 [Juhtmevaba elekter on veel lapsekingades](#)

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Arvamus, kultuur : [ajalehe Postimees lisa] 2022 / lk. 10 [https://dea.digar.ee/article/ak/2022/04/02/7.1 "Jõuelektronika on võtmetechnologia energia- ja rohkepöörde ülesannetes"](https://dea.digar.ee/article/ak/2022/04/02/7.1.%20J%26ouelektroonika%20on%20v%26otmetehnoloogiaenergia-ja%20rohkep%26oorde%20u%26elesannetes)

Jõutrafod : täiendavad Euroopa nõuded. Osa 1-1, Üldosa. Üldnõuded = Power transformers : additional European requirements. Part 1-1, Common part. General requirements

2022 https://www.ester.ee/record=b5506204*est

Jõutrafod [Võrguteavik] : täiendavad Euroopa nõuded. Osa 1-2, Energiatõhususe hindamine = Power transformers : additional European requirements. Part 1-2, Assessment of energy performance

2022 https://www.ester.ee/record=b5482820*est

Jõutrafod [Võrguteavik] : täiendavad Euroopa nõuded. Osa 2-1, Keskmised jõutrafod. Üldnõuded = Power transformers : additional European requirements. Part 2-1, Medium power transformer. General requirements

2022 https://www.ester.ee/record=b5485454*est

Jõutrafod [Võrguteavik] : täiendavad Euroopa nõuded. Osa 3-1, Suured jõutrafod. Üldnõuded = Power transformers : additional European requirements. Part 3-1, Large power transformer. General requirements
2022 https://www.ester.ee/record=b5487548*est

Jõutrafod [Võrguteavik] : täiendavad Euroopa nõuded. Osa 2-5, Keskmised jõutrafod. Ühefaasilised = Power transformers : additional European requirements. Part 2-5, Medium power transformer. Single phase
2021 https://www.ester.ee/record=b5464502*est

Ka kaubalise energia tootmise ja tarbimise jaotus on maailmas muutunud
Risthein, Endel Elektriala 2018 / lk. 24-26 : ill http://www.ester.ee/record=b1240496*est

Kaitselülite kohta käiv standard muutub
Risthein, Endel Elektriala 2017 / lk. 14 http://www.ester.ee/record=b1240496*est

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Farrokhi, Ehsan; Ghoreishy, Hoda; **Ahmadihangar, Roya; Rosin, Argo** IECON 2021 – 47th Annual Conference of the IEEE Industrial Electronics Society 2021 / Code 173927 <https://doi.org/10.1109/IECON48115.2021.9589653> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

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Kudelina, Karolina err.ee 2022 ["Karolina Kudelina: andekaid inseneritüdrukuid tuleb julgustada"](#)

Karolina Kudelinale 1. preemia [Võrguväljaanne]
Vaimann, Toomas Meie Leht 2021 / Lk. 1 : fot ["Karolina Kudelinale 1. preemia"](#)

Kas lollikeste tüssamine või geniaalne leiutus? Hiina imeriist lubab poole väiksemaid elektriarveid.
Väli, Kristjan; **Rosin, Argo** Õhtuleht 2018 / lk. 4-5

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Trashchenkov, Sergei; **Pires Pimentel, Sergio; Astapov, Victor**; Annuk, Andres; Marra, Enes Goncalves 2018 7th International Conference on Renewable Energy Research and Applications (ICRERA), October 14-17, 2018, Paris, France 2018 / p. 1179-1183 : ill <http://doi.org/10.1109/ICRERA.2018.8566995>

Kes tahab saada inseneriks?
Hamburg, Arvi Digi 2017 / lk. 26 : ill http://www.ester.ee/record=b2040633*est

Keskmised jõutrafod sagedusele 50 Hz seadme suurima lubatava kestevpingega mitte üle 36 kV. Osa 1, Üldnõuded [Võrguteavik] = Medium power transformers 50 Hz, with highest voltage for equipment not exceeding 36 kV. Part 1, General requirements
2017 http://www.ester.ee/record=b4767645*est

3D-prinditud jahuti muudab elektrimasinad töökindlamaks ja tõhusamaks
Sarap, Martin novaator.err.ee 2023 [3D-prinditud jahuti muudab elektrimasinad töökindlamaks ja tõhusamaks](#)

3D printimine avab elektrimasinate tootmisel ennenägematuid võimalusi
Vaimann, Toomas Elektriala 2023 / lk. 22-23 : portr., fot https://www.ester.ee/record=b1240496*est

3 x 1887 ehk kolm omaaegset juhtivat inseneri
Metusala, Tiit Elektriala 2017 / lk. 26-29 : ill http://www.ester.ee/record=b1240496*est

3D-printimine töötab teha mootoritele uuenduskuuri
Tiismus, Hans novaator.err.ee 2023 [3D-printimine töötab teha mootoritele uuenduskuuri](#) <https://digikogu.taltech.ee/et/Item/1a6cde04-f268-42c1-95d7-b9a43dd70046> https://www.ester.ee/record=b5511687*est

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Veskimägi, Taavi; Kalm, Valdo; Sutter, Hando; **Hamburg, Arvi**; Jõgeva, Virve Director. Inseneeria 2017 / lk. 3-5
http://www.ester.ee/record=b1519314*est

Kristjan Tabri ja Heigo Mölder: meretaristut võiksid valvata robotid = Kristjan Tabri, Heigo Mölder: Robots could guard marine infrastructure
Tabri, Kristjan; Mölder, Heigo err.ee 2023 [Kristjan Tabri ja Heigo Mölder: meretaristut võiksid valvata robotid](#) [Kristjan Tabri, Heigo Mölder: Robots could guard marine infrastructure](#) [Кристьян Табри и Хейго Мольдер: морскую инфраструктуру могли бы охранять роботы](#)

Kuidas jõuavad teadussaavutused igapäevaellu?
Alvela, Ain postimees.ee 2024 [Kuidas jõuavad teadussaavutused igapäevaellu?](#)

Kuidas kolme minutiga maailma muuta?

Giudici, Andrea; Dorbek-Kolin, Elisabeth; Joonas, Elise; Roots, Fideelia-Signe; Urvik, Janek; **Uuemaa, Madis;** Laas, Oliver; Laansalu, Tiina Sirp 2017 / lk. 31 : fot <http://www.sirp.ee/s1-artiklid/c21-teadus/kuidas-kolme-minutiga-maailma-muuta/>

Kuidas talvitusid, Eesti mesinik?

Kilk, Aleksander Mesinik : mesindusajakiri 2023 / lk. 4-5 https://www.ester.ee/record=b1072594*est

Kuldasvasikad vs. insenerid

Rosin, Argo Postimees 2019 / lk. 15 <https://arvamus.postimees.ee/6498915/argo-rosin-eestis-kuulatakse-liiga-vahe-inseneride-arvamus>
<http://dea.digar.ee/publication/postimees>

Kust siis ikkagi tuleb elekter? [Võrguväljaanne]

Kisel, Einari Postimees 2019 "[Kust siis ikkagi tuleb elekter?](#)"

Kvaliteedijuhtimine : juhised standardi ISO 9001:2015 statistiliste meetodite kasutamiseks = Quality management : guidance on statistical techniques for ISO 9001:2015 (ISO 10017:2021, identical)

2023 https://www.ester.ee/record=b5544780*est

Kõrgepingejaotla ja juhtimisaparatuur. Osa 108, Kõrgepinge vahelduvvoolu lahk-võimsuslülitid nimipingetele üle 52 kV [Võrguteavik] = High-voltage switchgear and controlgear. Part 108, High-voltage alternating current disconnecting circuit-breakers for rated voltages above 52 kV (IEC 62271-108:2020)

2021 https://www.ester.ee/record=b5412986*est

Kõrgepingeline lülitus- ja juhtimisaparatuur. Osa 1, Vahelduvvoolu lülitus- ja juhtimisaparatuuri üldliigitus [Võrguteavik] = High-voltage switchgear and controlgear. Part 1, Common specifications for alternating current switchgear and controlgear (IEC 62271-1:2017/AMD1:2021)

2022 https://www.ester.ee/record=b5485887*est

Kõrgepingeline lülitus- ja juhtimisaparatuur. Osa 1, Vahelduvvoolu lülitus- ja juhtimisaparatuuri üldliigitus [Võrguteavik] = High-voltage switchgear and controlgear. Part 1, Common specifications for alternating current switchgear and controlgear (IEC 62271-1:2017)

2017 http://www.ester.ee/record=b4768187*est

10 küsimust energeetikast: testi oma teadmisi!

postimees.ee 2023 [10 küsimust energeetikast: testi oma teadmisi!](#)

Kütusetankurid [Võrguteavik] : taatlusmetoodika = Fuel dispensers : verification procedure

2019 https://www.ester.ee/record=b5192447*est

Laser additively manufactured magnetic core design and process for electrical machine applications

Tiismus, Hans; Kallaste, Ants; Vaimann, Toomas; Lind, Liina; Virro, Indrek; Rassõlkin, Anton; Dedova, Tatjana Energies 2022 / art. 3665 <https://doi.org/10.3390/en15103665> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

LCL-filter design and application

Husev, Oleksandr; Matiushkin, Oleksandr Distributed energy systems : design, modeling, and control 2023 / p. 283-294 <https://doi.org/10.1201/9781003229124-18>

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Rassõlkin, Anton; Belahcen, Anouar; Kallaste, Ants; Vaimann, Toomas; Heidari, Hamidreza; Asad, Bilal Proceedings of the Estonian Academy of Sciences 2020 / p. 162–177 : ill <https://doi.org/10.3176/proc.2020.2.07> [journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Lifetime-oriented control strategies for hybrid energy storage systems in an islanded microgrid

Cinay, Nazli; Häring, Tobias; Rosin, Argo; Korõtko, Tarmo; Ahmadihangar, Roya; Biechl, Helmut 2021 22nd IEEE International Conference on Industrial Technology (ICIT) : proceedings 2021 / p. 1-6 <https://doi.org/10.1109/ICIT46573.2021.9453617> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

LightGBM-based fault diagnosis of rotating machinery under changing working conditions using modified recursive feature elimination

Saberi, Alireza Nemat; Belahcen, Anouar; Sobra, Jan; Vaimann, Toomas IEEE Access 2022 / p. 81910-81925 <https://doi.org/10.1109/ACCESS.2022.3195939> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Lighting the Baltuc [i.e. Baltic] Sea region - cities accelerate the deployment of sustainable and smart urban solutions

Rosin, Argo 19th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of

energy and geotechnology. III" : Tartu, Estonia, January 14-17, 2020 2020 / p. 11-12 : map https://www.ester.ee/record=b5291755*est

Light-load efficiency improvement of galvanically isolated quasi-Z-source DC-DC converter for photovoltaic applications
Mashinchi Maheri, Hamed; Chub, Andrii; Vinnikov, Dmitri 2020 IEEE 21st Workshop on Control and Modeling for Power Electronics (COMPEL), Aalborg, Denmark, November 9-12, 2020 2020 / 6 p <https://doi.org/10.1109/COMPEL49091.2020.9265800>

Lihtsad sammud elektri säästmiseks

Kodu & Ehitus : TM 2023 / lk. 40-42 : fot https://www.ester.ee/record=b1740684*est

Lihtsad sammud, kuidas kodus elektrit säästa

postimees.ee 2023 [Lihtsad sammud, kuidas kodus elektrit säästa](#)

Li-ion battery equivalent circuit modelling

Hokmabad, Hossein Nourollahi 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. 97-98 : ill https://www.ester.ee/record=b5504019*est

A linear integer programming model for fault diagnosis in active distribution systems with bi-directional 'fault monitoring devices installed

Wang, Chongyu; Pang, Kaiyuan; Xu, Yan; **Wen, Fushuan; Palu, Ivo**; Feng, Changsen IEEE Access 2020 / p. 106452-106463 <https://doi.org/10.1109/ACCESS.2020.2999519> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Load current harmonic model complexity reduction through empirical pattern analysis

Kamran, Daniel; Kütt, Lauri; Iqbal, Muhammad Naveed; Shabbir, Noman; Jarkovoi, Marek; Parker, Martin 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227474>

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Load flow modelling in local energy community electric power systems

Korõtko, Tarmo; Drovtar, Imre; Mutule, Anna; Kairisa, Evita; **Rosin, Argo** 2022 IEEE 7th International Energy Conference (ENERGYCON) 2022 / 7 p <https://doi.org/10.1109/ENERGYCON53164.2022.9830203>

Local energy community power system asset dispatch optimization

Plaum, Freddy 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. 91-92 https://www.ester.ee/record=b5570906*est

Lootust hoides

Kilk, Aleksander Mesinik : mesindusajakiri 2023 / lk. 4-5 https://www.ester.ee/record=b1072594*est

Loss model for the effects of steel cutting in electrical machines

Sundaria, Ravi; Nair, D. G.; Lehtikoinen, Antti; Arkkio, Antero; **Belahcen, Anouar** 2018 XIII International Conference on Electrical Machines (ICEM 2018) : Alexandroupoli, Greece, 3-6 September 2018 2018 / p. 1260-1266 : ill <http://doi.org/10.1109/ICELMACH.2018.8506822>

Low frequency oscillations research in the National Electric Networks of Kazakhstan

Saukhimov, A.A.; Tokhtibakiev, K.K.; **Šuvalova, Jelena** World Scientist and Engineers Congress "Energy of the future : innovative scenarios and methods of their implementation" WSEC-2017 : June 19-20, 2017, Astana : proceedings 2017 / p. 148-152

Low-cost photovoltaic microinverter with ultra-wide MPPT voltage range

Liivik, Elizaveta; Chub, Andrii; Kosenko, Roman; Vinnikov, Dmitri 2017 6th International Conference on Clean Electrical Power : Renewable Energy Resources Impact : Santa Margherita Ligure, 27-29 June 2017 2017 / p. 46-52 : ill <https://doi.org/10.1109/ICCEP.2017.8004790>

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Korõtko, Tarmo; Bunte, Heike; Tallo, Eva; Šponberga, Ieva; Potrykus, Yolanda; Nurulin, Yuri; Axelsen, Teddy Sibbern 2022 <https://lucia-project.eu/wp-content/uploads/2022/04/LUCIA-Compendium-vol2.pdf> https://www.ester.ee/record=b5495404*est

Luminance of outdoor screens in Tallinn

Parker, Martin 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. 97-98 : ill https://www.ester.ee/record=b5570906*est

Machine learning and deep learning techniques for residential load forecasting : a comparative analysis

Shabbir, Noman; Kütt, Lauri; Raja, Hadi Ashraf; Ahmadiyahangar, Roya; Rosin, Argo; Husev, Oleksandr 2021 IEEE 62nd

Machine learning approach for flexibility characterisation of residential space heating

Häring, Tobias; Ahmadihangar, Roya; Rosin, Argo; Biechl, Helmuth IECON 2021 - 47th Annual Conference of the IEEE Industrial Electronics Society, Toronto, Canada, Oct. 13-16, 2021 / 6 p. : ill <https://doi.org/10.1109/IECON48115.2021.9589216>
[Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Madalpingelised aparaadikoosted. Osa 5, Avalike elektrivõrkude elektrijaotuskoosted = Low-voltage switchgear and controlgear assemblies. Part 5, Assemblies for power distribution in public networks (IEC 61439-5:2023)

2023 https://www.ester.ee/record=b5641184*est

Madalpingelised aparaadikoosted. Osa 1, Üldreeglid [Võrguteavik] = Low-voltage switchgear and controlgear assemblies. Part 1, General rules (IEC 61439-1:2020)

2021 https://www.ester.ee/record=b5449258*est

Madalpingelised aparaadikoosted. Osa 2, Jõuaparaadikoosted [Võrguteavik] = Low-voltage switchgear and controlgear assemblies. Part 2, Power switchgear and controlgear assemblies (IEC 61439-2:2020)

2021 https://www.ester.ee/record=b5449266*est

Madalpingelised elektripaigaldised. Osa 4-42, Kaitseviisid. Kaitse kuumustoime eest [Võrguteavik] = Low-voltage electrical installations. Part 4-42, Protection for safety. Protection against thermal effects

2022 https://www.ester.ee/record=b5486429*est

Madalpingelised elektripaigaldised. Osa 4-42, Kaitseviisid. Kaitse kuumustoime eest [Võrguteavik] = Low-voltage electrical installations. Part 4-42, Protection for safety. Protection against thermal effects (IEC 60364-4-42:2010, modified+IEC 60364-4-42:2010/A1:2014)

2022 https://www.ester.ee/record=b5486332*est

Madalpingelised elektripaigaldised. Osa 7-716, Nõuded eripaigaldistele ja -paikadele. Väikepingeline alalisvoolujaotus info- ja sidetehnika kaablaristiku kaudu = Low-voltage electrical installations. Part 7-716, Requirements for special installations or locations. ELV DC power distribution over information and communications technology (ICT) cable infrastructure (IEC 60364-7-716:2023)

2023 https://www.ester.ee/record=b5652985*est

Madalpingelised elektripaigaldised. Osa 8-2, Tootevtarbijate madalpingelised elektripaigaldised [Võrguteavik] = Low-voltage electrical installations. Part 8-2, Prosumer's low-voltage electrical installations (IEC 60364-8-2:2019)

2019 https://www.ester.ee/record=b5261700*est

Madalpingelised elektripaigaldised. Osa 1, Põhialused, üldiseloomustus, määratlused [Võrguteavik] = Low-voltage electrical installations. Part 1, Fundamental principles, assessment of general characteristics definitions

2017 http://www.ester.ee/record=b4741241*est

Madalpingelised elektripaigaldised. Osa 4-41, Kaitseviisid. Kaitse elektrilöögi eest [Võrguteavik] = Low-voltage electrical installations. Part 4-41, Protection for safety. Protection against electric shock

2019 https://www.ester.ee/record=b5264135*est

Madalpingelised elektripaigaldised. Osa 4-41, Kaitseviisid. Kaitse elektrilöögi eest [Võrguteavik] = Low-voltage electrical installations. Part 4-41, Protection for safety. Protection against electric shock (IEC 60364-4-41:2005, modified+A1:2017, modified)

2019 https://www.ester.ee/record=b5264130*est

Madalpingelised elektripaigaldised. Osa 5-52, Elektriseadmete valik ja paigaldamine. Juhistikud [Võrguteavik] = Low-voltage electrical installations. Part 5-52, Selection and erection of electrical equipment. Wiring systems (IEC 60364-5-52:2009, modified)

2017 http://www.ester.ee/record=b4770308*est

Madalpingelised elektripaigaldised. Osa 5-53, Elektriseadmete valik ja paigaldamine. Lülitus- ja juhtimisaparaadid [Võrguteavik] = Low-voltage electrical installations. Part 5-53, Selection and erection of electrical equipment. Switchgear and controlgear

2017

Madalpingelised elektripaigaldised. Osa 5-53, Elektriseadmete valik ja paigaldamine. Lülitus- ja juhtimisaparaadid. Jaotis 537, Turvalahutamine ja lülitamine [Võrguteavik] = Low-voltage electrical installations. Part 5-53, Selection and erection of electrical equipment. Devices for protection, isolation, switching, control and monitoring. Clause 537, Isolation and switching

2017 http://www.ester.ee/record=b4698284*est

Madalpingelised elektripaigaldised. Osa 5-54, Elektriseadmete valik ja paigaldamine. Maandamine ja kaitsejuhid [Võrguteavik] = Low-voltage electrical installations. Part 5-54, Selection and erection of electrical equipment. Earthing arrangements and protective conductors (IEC 60364-5-54:2009)

2017 http://www.ester.ee/record=b4741679*est

Madalpingelised elektripaigaldised. Osa 5-56, Elektriseadmete valik ja paigaldamine ; Turvasüsteemid [Võrguteavik] = Low-voltage electrical installations. Part 5-56, Selection and erection of electrical equipment ; Safety services (IEC 60364-5-56:2018)

2019 https://www.ester.ee/record=b5251705*est

Madalpingelised elektripaigaldised. Osa 5-559, Elektriseadmete valik ja paigaldamine. Valgustid ja valgustuspaigaldised [Võrguteavik] = Low-voltage electrical installations. Part 5-559, Selection and erection of electrical equipment ; Luminaires and lighting installations (IEC 60364-5-55:2011, modified)

2017 http://www.ester.ee/record=b4742051*est

Madalpingelised elektripaigaldised. Osa 6, Kontrollitoimingud [Võrguteavik] = Low-voltage electrical installations. Part 6, Verification

2017 http://www.ester.ee/record=b4742079*est

Madalpingelised elektripaigaldised. Osa 7-704, Nõuded eripaigaldistele ja -paikadele. Ehituspaikade paigaldised [Võrguteavik] = Low-voltage electrical installations. Part 7-704, Requirements for special installations or locations. Construction and demolition site installations (IEC 60364-7-704:2017, modified)

2018 https://www.ester.ee/record=b2258336*est

Madalpingelised elektripaigaldised. Osa 7-706, Nõuded eripaigaldistele ja -paikadele. Ahtad juhtivad paigad [Võrguteavik] = Low-voltage electrical installations. Part 7-706, Requirements for special installations or locations. Conducting locations with restricted movement (IEC 60364-7-706:2005/A1:2019)

2021 https://www.ester.ee/record=b5468025*est

Madalpingelised elektripaigaldised. Osa 7-706, Nõuded eripaigaldistele ja -paikadele. Ahtad juhtivad paigad [Võrguteavik] = Low-voltage electrical installations. Part 7-706, Requirements for special installations or locations. Conducting locations with restricted movement (IEC 60364-7-706:2005, modified+IEC 60364-7-706:2005/A1:2019)

2021 https://www.ester.ee/record=b5468009*est

Madalpingelised elektripaigaldised. Osa 7-709, Nõuded eripaigaldistele ja -paikadele. Sadamad (sh huvisõidusadamad) ja muud samalaadsed paigad. Erinõuded laevade kaldatoitele [Võrguteavik] = Low-voltage electrical installations. Part 7-709, Requirements for special installations or locations. Harbours, marinas and similar locations. Special requirements for shore supply to ships

2019 https://www.ester.ee/record=b5233966*est

Madalpingelised elektripaigaldised. Osa 7-709, Nõuded eripaigaldistele ja -paikadele. Sadamad (sh huvisõidusadamad) ja muud samalaadsed paigad. Erinõuded laevade kaldatoitele [Võrguteavik] = Low-voltage electrical installations. Part 7-709, Requirements for special installations or locations. Harbours, marinas and similar locations. Special requirements for shore supply to ships (IEC 60364-7-709:2007, modified+IEC 60364-7-709:2007/A1:2012)

2019 https://www.ester.ee/record=b5233974*est

Madalpingelised elektripaigaldised. Osa 7-711, Nõuded eripaigaldistele ja -paikadele. Näitused, esitused ja stendid [Võrguteavik] = Low-voltage electrical installations. Part 7-711, Requirements for special installations or locations. Exhibitions, shows and stands (IEC 60364-7-711:2018)

2019 https://www.ester.ee/record=b5233958*est

Madalpingelised elektripaigaldised. Osa 7-721, Nõuded eripaigaldistele ja -paikadele. Sõidukelamute elektripaigaldised [Võrguteavik] = Low-voltage electrical installations. Part 7-721, Requirements for special installations or locations. Electrical installations in caravans and motor caravans (IEC 60364-7-721:2017, modified)

2019 https://www.ester.ee/record=b5205895*est

Madalpingelised elektripaigaldised. Osa 7-722, Nõuded eripaigaldistele ja -paikadele ; Elektrisõidukite toide [Võrguteavik] = Low-voltage electrical installations. Part 7-722, Requirements for special installations or locations ; Supplies for electric vehicles (IEC 60364-7-722:2018, modified)

2019 https://www.ester.ee/record=b5251715*est

Madalpingelised elektripaigaldised. Osa 8-1, Talitluslikud aspektid [Võrguteavik] : energiatõhusus = Low-voltage electrical installations. Part 8-1, Functional aspects : energy efficiency (IEC 60364-8-1:2019)

2019 https://www.ester.ee/record=b5248920*est

Madalpingelised elektripaigaldised. Osa 8-2, Tootevtarbijate madalpingelised elektripaigaldised [Võrguteavik] = Low-voltage electrical installations. Part 8-2, Prosumer's low-voltage electrical installations (IEC 60364-8-2:2019)

2021 https://www.ester.ee/record=b5464944*est

Madalpingelised lülitus- ja juhtimisaparaadid. Osa 1, Üldreeglid [Võrguteavik] = Low-voltage switchgear and controlgear. Part 1, General rules (IEC 60947-1:2020)

2021 https://www.ester.ee/record=b5426491*est

Madalpingelised lülitusaparaadid. Osa 6-2, Mitmetoimelised aparaadid. Juhtimis-kaitselülitid = Low-voltage switchgear and controlgear. Part 6-2, Multiple function equipment. Control and protective switching devices (or equipment) (CPS) (IEC 60947-6-2:2020+COR1:2021)

2023 https://www.ester.ee/record=b5558784*est

Madalpingelised lülitusaparaadid. Osa 1, Üldreeglid [Võrguteavik] = Low-voltage switchgear and controlgear. Part 1, General rules (IEC 60947-1:2020)

2021 https://www.ester.ee/record=b5426491*est

Madalpingelised lülitusaparaadid. Osa 2, Kaitselülitid [Võrguteavik] = Low-voltage switchgear and controlgear. Part 2, Circuit-breakers (IEC 60947-2:2016/A1:2019)

2020 https://www.ester.ee/record=b5307904*est

Madalpingelised lülitusaparaadid. Osa 2, Kaitselülitid [Võrguteavik] = Low-voltage switchgear and controlgear. Part 2, Circuit-breakers (IEC 60947-2:2016+COR1:2016)

2017 http://www.ester.ee/record=b4768106*est

Madalpingelised lülitusaparaadid. Osa 2, Kaitselülitid [Võrguteavik] = Low-voltage switchgear and controlgear. Part 2, Circuit-breakers (IEC 60947-2:2016+COR1:2016+IEC 60947-2:2016/A1:2019)

2020 https://www.ester.ee/record=b5307902*est

Madalpingelistes elektripaigaldistes kasutatav signaalsatsioon sagedusalal 3 kHz kuni 148,5 kHz. Osa 1, Üldnõuded, sagedusalad ja elektromagnetilised häiringud [Võrguteavik] = Signalling on low-voltage electrical installations in the frequency range 3 kHz to 148,5 kHz. Part 1, General requirements, frequency bands and electromagnetic disturbances

2018 https://www.ester.ee/record=b4767621*est

Madalpingepaigaldistes läheb kaitse elektrilöögi eest järjest nõudlikumaks

Risthein, Endel Elektriala 2017 / lk. 33 http://www.ester.ee/record=b1240496*est

Magnetic equivalent circuit and Lagrange interpolation function modeling of induction machines under broken bar faults

Hemeida, Ahmed; Billah, Md Masum; Kudelina, Karolina; Asad, Bilal; Naseer, Muhammad Usman; Guo, Baocheng; Martin, Florian; Rasilo, Paavo; Belahcen, Anouar IEEE transactions on magnetics 2023 <https://doi.org/10.1109/TMAG.2023.3306207>

Magnetically integrated high step-up resonant DC-DC converter for distributed photovoltaic systems

Vinnikov, Dmitri; Chub, Andrii; Liivik, Elizaveta; Blaabjerg, Frede IECON 2017 - 43rd Annual Conference of the IEEE Industrial Electronics Society : proceedings : China National Convention Center, Beijing, China, 29. October - 01. November, 2017 2017 / p. 7691-7697 : ill <https://doi.org/10.1109/IECON.2017.8217348>

Magnetohüdrodünaamika teaduses ja praktikas

2017 http://www.ester.ee/record=b4690571*est

Magneto-mechanical modeling of electrical steel sheets

Aydin, Ugur; Rasilo, Paavo; Martin, Florian; Singh, Deepak; Daniel, Laurent; Belahcen, Anouar; Rekik, Mahmoud; Hubert, Olivier; Kouhia, Reijo; Arkkio, Antero Journal of magnetism and magnetic materials 2017 / p. 82-90 : ill <https://doi.org/10.1016/j.jmmm.2017.05.008>

Maido Märss. Elektrienergia tarbimise majandamine väiketootmisel

Märss, Maido Teadus kolme minutiga : 2015-2016 2017 / lk. [144]-147 : portr., ill http://www.ester.ee/record=b4654069*est

Main faults and diagnostic possibilities of BLDC motors

Kudelina, Karolina; Asad, Bilal; Vaimann, Toomas; Rassõlkin, Anton; Kallaste, Ants; Lukichev, Dmitry 2020 27th International Workshop on Electric Drives: MPEI Department of Electric Drives 90th Anniversary (IWED), Moscow, Russia, January 27-30, 2020 2020 / 6 p. : ill <https://doi.org/10.1109/IWED48848.2020.9069553>

Main gear-faults in industrial hitara

Autsou, Siarhei 20th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Tallinn, Estonia, September 8-10, 2021 2022 / p. 17-18 : ill https://www.ester.ee/record=b5457278*est

Majapidamis- ja muud taolised elektriseadmed : ohutus. Osa 1, Üldnõuded = Household and similar electrical appliances : safety. Part 1, General requirements

2023 https://www.ester.ee/record=b5650614*est

Majapidamis- ja muud taolised elektriseadmed : ohutus. Osa 1, Üldnõuded = Household and similar electrical appliances : safety. Part 1, General requirements (IEC 60335-1:2010, modified+IEC 60335-1:2010/A1:2013, modified+COR1:2014+IEC 60335-1:2010/A2:2016, modified+COR1:2016)

2023 https://www.ester.ee/record=b5650603*est

Majapidamis- ja muud taolised elektriseadmed [Võrguteavik] : ohutus. Osa 1, Üldnõuded = Household and similar electrical appliances : safety. Part 1, General requirements

2021 https://www.ester.ee/record=b5464581*est

Majapidamis- ja muud taolised elektriseadmed [Võrguteavik] : ohutus. Osa 1, Üldnõuded = Household and similar electrical appliances : safety. Part 1, General requirements (IEC 60335-1:2010, modified)

2017 http://www.ester.ee/record=b4751427*est

Majapidamis- ja muud taolised elektriseadmed [Võrguteavik] : ohutus. Osa 1, Üldnõuded = Household and similar electrical appliances : safety. Part 1, General requirements (IEC 60335-1:2010, modified+IEC 60335-1:2010/A1:2013, modified+COR1:2014+IEC 60335-1:2010/A2:2016, modified+COR1:2016)

2021 https://www.ester.ee/record=b5464541*est

Majapidamis- ja muud taolised elektriseadmed [Võrguteavik] : ohutus. Osa 1, Üldnõuded = Household and similar electrical appliances : safety. Part 1, General requirements (IEC 60335-1:2010, modified+IEC 60335-1:2010/A1:2013,modified+COR1:2014+IEC 60335-1/A2:2016,modified+COR1:2016)

2020 https://www.ester.ee/record=b5340578*est

Management of braking energy in electric vehicles using reinforcement learning

Vodovozov, Valery; Raud, Zoja; Petlenkov, Eduard 2023 International Conference on Clean Electrical Power (ICCEP) 2023 / p. 559-564 <https://doi.org/10.1109/ICCEP57914.2023.10247359>

Mapping leddar distance measurements to coordinate system

Piigli, Ervin; Mets, Oliver 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. 173-175 : ill http://www.ester.ee/record=b4650094*est

Market mechanisms and trading in microgrid local electricity markets : a comprehensive review

Zahraoui, Younes; Korõtko, Tarmo; Rosin, Argo; Agabus, Hannes Energies 2023 / art. 2145, 52 p. : ill <https://doi.org/10.3390/en16052145>

Masinate ohutus : ohutusega seotud juhtimissüsteemide funktsionaalne ohutus = Safety of machinery : functional safety of safety-related control systems (IEC 62061:2021)

2022 https://www.ester.ee/record=b5509802*est

Masinate ohutus [Võrguteavik] : masinate elektriseadmed. Osa 1, Üldnõuded = Safety of machinery : electrical equipment of machines. Part 1, General requirements (IEC 60204-1:2018, modified)

2018 https://www.ester.ee/record=b5168846*est

Material properties for 3D printing electrical machines

Tiismus, Hans 18th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Toila, Estonia, January 14-19, 2019 : [proceedings] 2019 / p. 139-140 https://www.ester.ee/record=b5183874*est

Mathematical model for assessment of voltage disturbing sources in networks with distributed power generation

Sayenko, Yuri; Kalyuzhnyi, Dmitry; **Bolgov, Viktor; Kütt, Lauri** Przegląd elektrotechniczny = Electrical review 2019 / p. 49-53 : ill <https://doi.org/10.15199/48.2019.03.12> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mathematical modeling and analysis of a battery energy storage system for microgrids = Mikrovõrkude energiasalvestussüsteemi matemaatiline modelleerimine ja analüüs

Rahmoun, Ahmad 2017 <https://digi.lib.ttu.ee/i/?9116>

Mathematical modeling and control strategies for islanded microgrids = Saartalitluses mikrovõrkude matemaatiline modelleerimine ja juhtimisstrateegiad

Armstorfer, Andreas 2022 <https://doi.org/10.23658/taltech.71/2022> <https://digikogu.taltech.ee/et/Item/077a5b65-1320-40ac-b105-607deaa9a900> https://www.ester.ee/record=b5528446*est

Mathematical modeling and evaluation of a microgrid demonstrator in island mode

Armstorfer, Andreas; Beg, Nauman; **Rahmoun, Ahmad;** **Rosin, Argo;** **Biechl, Helmuth** NEIS 2017 Conference on Sustainable Energy Supply and Energy Storage Systems : Hamburg, 21 – 22 September 2017 2018 / p. 39-44 : ill <https://neis-conference.com/wordpress/wp-content/uploads/2018/03/Tagungsband-NEIS-2017.pdf> <https://ieeexplore.ieee.org/document/8421809>

Mathematical modeling and stability analysis of a microgrid in island operation

Beg, Nauman; **Armstorfer, Andreas;** **Rosin, Argo;** **Biechl, Helmuth** 2018 International Conference on Smart Energy Systems and Technologies (SEST), 10-12 September, 2018, Seville, Spain : conference proceedings 2018 / 6 p. : ill <https://doi.org/10.1109/SEST.2018.8495694>

Mathematical modeling of a battery energy storage system in grid forming mode

Rahmoun, Ahmad; Armstorfer, Andreas; Biechl, Helmuth; **Rosin, Argo** 2017 IEEE 58th International Scientific Conference on Power and Electrical Engineering of Riga Technical University (RTUCON) : proceedings : Latvia, Riga, 12-13 October, 2017 2017 / [6] p. : ill <http://dx.doi.org/10.1109/RTUCON.2017.8125625>

Mathematical modelling of three phase squirrel cage induction motor and related signal processing for fault diagnostics = Kolme faasilise lühisrootoriga asünkroonmootori matemaatiline modelleerimine ning lähtuv rikkediagnostiline signaalitöötlus

Asad, Bilal 2021 <https://digikogu.taltech.ee/et/Item/8b5869c8-de30-4380-a0c6-8a6a2d6b6ff3> https://www.ester.ee/record=b5452432*est <https://doi.org/10.23658/taltech.40/2021>

Mati Valdma 28.11.1936 - 7.11.2023 : in memoriam

Elektrala 2023 / lk. 33 : portr https://www.ester.ee/record=b1240496*est

Maximizing energy harvest of the impedance source PV Microconverter under partial shading conditions

Vinnikov, Dmitri; **Chub, Andrii;** **Liivik, Elizaveta;** Blaabjerg, Frede; Kouro, Samir CPE-POWERENG 2018 : Conference program : 12th IEEE International Conference on Compatibility, Power Electronics and Power Engineering, 10-12 April, 2018, Doha, Qatar 2018 / 7 p. : ill <https://indd.adobe.com/view/bdbda104-4e24-4d7b-88b1-f84ccfd20748> <https://doi.org/10.1109/CPE.2018.8372556>

Maximum boost control for interleaved single-phase quasi-Z-source inverter

Roncero-Clemente, Carlos; **Stepenko, Serhii;** **Husev, Oleksandr;** Romero-Cadaval, Enrique; **Vinnikov, Dmitri** IECON 2017 - 43rd Annual Conference of the IEEE Industrial Electronics Society : proceedings : China National Convention Center, Beijing, China, 29. October - 01. November, 2017 2017 / p. 7698-7703 : ill <https://doi.org/10.1109/IECON.2017.8217349>

Maximum power point tracking algorithm for step-up/down partial power converters with improved performance around zero partiality

Yadav, Neelesh; **Chub, Andrii;** **Hassanpour, Naser;** **Blinov, Andrei;** **Vinnikov, Dmitri** 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 6 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227506>

Measurement and operation based condition monitoring methodology for high voltage circuit breakers

Asefi, Sajjad; **Andreesen, Guido;** **Leinakse, Madis;** **Kilter, Jako;** Kalmet, Tauri; Manninen, Henri; Landsberg, Mart 2022 IEEE PES Innovative Smart Grid Technologies Conference Europe (ISGT-Europe) : proceedings 2022 / Art. 184786 <https://doi.org/10.1109/ISGT-Europe54678.2022.9960521>

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>

Measurement equipment for low level vibration studies in mass laboratory

Parker, Martin; **Kübarsepp, Toomas;** Pärn, Angela 4th IMEKO TC22 Conference on Vibration Measurement 2017 : Held together with TC3 and TC5, Helsinki, Finland, 30 May - 1 June, 2017 2017 / p. 76-78 <http://toc.proceedings.com/35394webtoc.pdf>

Mechatronics technology and transportation sustainability : editorial

Rassõlkin, Anton; Tammi, Kari; **Demidova, Galina;** Hosseinnia, Hassan Sustainability 2022 / art. 1671 <https://doi.org/10.3390/su14031671> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

MechMate : metoodika, õppekava ja kasutusjuhised

Lehtla, Tõnu; **Pettai, Elmo** 2018 <https://digi.lib.ttu.ee/ii/?12131> https://www.ester.ee/record=b5227432*est

MechMate õppematerjalid : [õpikute kogumik]

Kütt, Lauri; **Pettai, Elmo;** **Müür, Margus;** **Maask, Vahur;** **Lehtla, Tõnu** 2018 <https://digi.lib.ttu.ee/ii/?12126>

MechMate õppematerjalid [Võrguteavik]

Kütt, Lauri; **Pettai, Elmo;** **Müür, Margus;** **Maask, Vahur;** **Lehtla, Tõnu** 2019 https://www.ester.ee/record=b5227431*est

<https://digi.lib.ttu.ee/i/?12126>

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Kilk, Aleksander Mesinik : mesindusajakiri 2023 / lk. 4-5 : fot https://www.ester.ee/record=b1072594*est

Meretuuleparke plaanitakse rohkem kui võrk kannatab

Klementi, Joakim; Pott, Toomas err.ee 2023 [Meretuuleparke plaanitakse rohkem kui võrk kannatab](#)

Merilin Metsik ja Argo Rosin: mis takistab koduse elektritarbimise juhtimist?

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