

Analyse of control and diagnostics problems of trams and development of new systems and methods

Rosin, Argo 2nd International Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 17-22, 2005 2005 / p. 86-92 : ill

Analysis of modelling electric transportation networks

Mägi, Marek 4th International Symposium Topical Problems of Education in the Field of Electrical and Power Engineering. Doctoral School of Energy and Geotechnology : Kuressaare, Estonia, January 15-20, 2007 2007 / p. 73-77 : ill

Application of ultracapacitors in low-voltage power supply systems of light rail vehicles

Hõimoja, Hardi; Vinnikov, Dmitri; Strzelecki, Ryszard The 2009 World Congress on Electronics and Electrical Engineering : WCEEENG'09 : April 6-9, 2009, Cairo, Egypt 2009 / [5] p

Auxiliary voltage converter for Tallinn trams: stages of development

Vinnikov, Dmitri Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 19-24, 2004 2004 / p. 62-65 : ill

Comparison of possible ac drive control methods for kt4 tram

Boiko, Vitali; Laugis, Juhan 3rd International Scientific Workshop "Compatibility in Power Electronics" (CPE 2003) : Gdansk-Zielona Gora, Poland, 28-30 May, 2003 2003 / p. 55-57

Comparison of possible drive control methods for electrical rail vehicle

Boiko, Vitali The 4th Research Symposium of Young Scientists : Actual Problems of Electrical Drives and Industry Automation : Tallinn, Estonia, May 17-21, 2003 2003 / p. 83-87 : ill

Control methods of the dual-motor AC traction drives

Boiko, Vitali 3rd International Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Doctoral School of Energy and Geotechnology : Kuressaare, Estonia, January 16-21, 2006 2006 / p. 177-179 : ill

Control, supervision and operation diagnostics of light rail electric transport

Rosin, Argo; Lehtla, Tõnu 2005 https://www.ester.ee/record=b2073559*est

Data communication with InTouch application over Windows DDE

Möller, Taavi; Rosin, Argo The 4th Research Symposium of Young Scientists : Actual Problems of Electrical Drives and Industry Automation : Tallinn, Estonia, May 17-21, 2003 2003 / p. 75-76 : ill

Design and development of the middle-frequency isolation transformer for the high-voltage DC/DC converter [Electronic resource]

Vinnikov, Dmitri; Lehtla, Tõnu; Strzelecki, Ryszard; **Galkin, Ilja** The 4th International Scientific Conference of The Military Technical College [Korby El-Kobbah, Cairo, Egypt] : 27-29 May 2008. Proceedings of the 6th ICEENG Conference : 27-29 May, 2008 2008 / p. EE045 [CD-ROM] https://iceeng.journals.ekb.eg/article_34344_6860ebd9ad2e69cac2e12bfef8d5546c.pdf

Development of auxiliary power supply for tram

Vinnikov, Dmitri; Lehtla, Madis BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 389-390 : ill

Development of control and diagnostics system for Tallinn trams

Rosin, Argo; Pettai, Elmo; Lehtla, Tõnu BEC 2004 : proceedings of the 9th Biennial Baltic Electronics Conference : October 3-6, 2004, Tallinn, Estonia 2004 / p. 327-330 : ill

Development of software for position based control

Möller, Taavi 2nd International Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 17-22, 2005 2005 / p. 84-85 : ill

Doktoritöö trammi arvutipõhise juhtimise, seire ja diagnostika alal : [väitekirja kaitses Argo Rosin]

Lahtmets, Rain Elektriala 2005 / lk. 32

Elektrisäästlikust trammist tulevikurobotiteni : [TTÜ elektriamite ja jõuelektronika instituudi ajaloost : 45. aastapäevale pühendatud sümpoosioni ettekannetest]

Mente et Manu 2001 / 4. sept., lk. 1, 2 : portr https://www.ester.ee/record=b1242496*est

Energy flows and losses of an electric tram

Joller, Jüri PEDC 2001 : Power Electronics Devices Compatibility : 2nd Conference : 3-5 September 2001, Zielona Gora, Poland 2001 / p. 104-110 : ill

Esimene energiasäästliku veoajamiga tramm Tallinnas : [projekteeritud ja valmistatud TTÜ elektriamite ja

jõuelektroonika instituudis]

Heinvere, Uno Elektriala 2000 / 4, lk. 23 https://artiklid.elnet.ee/record=b1004795*est

Influence of specific requirements on the design of auxiliary power supply for a light rail vehicle

Vinnikov, Dmitri; Lehtla, Tõnu 2nd International Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 17-22, 2005 2005 / p. 93-97 : ill

Intelligent control and diagnostics system for Tallinn trams

Rosin, Argo; Lehtla, Madis; Möller, Taavi EPE-PEMC 2004 : 11th International Power Electronics and Motion Control Conference : 2-4 September 2004, Riga, Latvia : proceedings. Vol. 6 of 7, Mechatronics, industrial drive systems, power electronics and drives in transport, EMC and design of PE systems 2004 / p. 6-185 - 6-188 : ill

Kas tallinlane vajab tuiskavat kiirtrammi?

Villemi, Ene-Mall Ärielu 1999 / 3, lk. 83-85 https://artiklid.elnet.ee/record=b2022954*est

Kergrööbassõidukite ajamid ja juhtimine

Laugis, Juhan; Lehtla, Tõnu; Joller, Jüri; Rosin, Argo; Vinnikov, Dmitri; Lehtla, Madis 2008
http://www.ester.ee/record=b2394445*est

3. liinile sõidab nutikas tramm : trammipark ja tehnikaülikool ehtasid vanast trammist pardaarvutiga sõiduki : [Argo Rosin räägib rekonstrueeritud trammist]

Peensoo, Piret; **Rosin, Argo** Eesti Päevaleht 2004 / 10. märts, Tallinn, lk. 1 : fot <https://epl.delfi.ee/artikkel/50978611/3-liinile-soidab-nutikas-tramm>

Kui tramm Eestimaale tuli

Mägi, Vahur Horisont 1989 / lk. 27-29 : fotod https://www.ester.ee/record=b1347160*est <https://www.digar.ee/arhiiv/et/periododika/69840>

Kümnend, mil transpordist saab liikuvus [Võrguväljaanne]

Roose, Antti postimees.ee 2021 ["Kümnend, mil transpordist saab liikuvus"](https://www.postimees.ee/2021/04/08/kum-nend-mil-transpordist-saab-liikuvus)

Load leveling and loss minimization in tram systems - possibilities and challenges

Vinnikov, Dmitri; Hõimoja, Hardi; Rosin, Argo; Egorov, Mikhail Технічна електродинаміка 2009 / Тематический выпуск: Силова електроніка та енергоефективність. 1, с. 83-88 : ill

Maintenance information system for vehicles

Jalakas, Tanel 2nd International Symposium "Topical Problems of Education in the Field of Electrical and Power Engineering" : Kuressaare, Estonia, January 17-22, 2005 2005 / p. 80-81 : ill

Microprocessor control systems of light rail vehicle traction drives

Lehtla, Madis 2006 https://www.ester.ee/record=b2170586*est

Millist ühistransporti eelistada? Tihedas transpordis sobib elektrisõiduk

Villemi, Ene-Mall Ärielu 2000 / 5, lk. 92-93 https://artiklid.elnet.ee/record=b1991755*est

Modernisation of tram traction drive

Arukivi, Andres; Joller, Jüri Actual Problems of Electrical Drives and Industry Automation : the research symposium of young scientists : Tallinn, Estonia, May 31 - June 5, 1999 1999 / p. 56-58: ill

Modernisation of trams in Estonia

Laugis, Juhan; Lehtla, Tõnu; Pettai, Elmo; Joller, Jüri; Rosin, Argo; Lehtla, Madis; Vinnikov, Dmitri The 6-th International Conference on Unconventional Electromechanical and Electrical Systems : UEES'04. Vol. 2 of 3 2004 / p. 561-564

Nutikas tramm : [TTÜ teadlaste osalusel rekonstrueeritud trammist]

Rosin, Argo Elektriala 2004 / 2, lk. 16-18 : ill

Operation and diagnostics of the tram traction drive

Lehtla, Madis; Joller, Jüri; Laugis, Juhan 3rd International Scientific Workshop "Compatibility in Power Electronics" (CPE 2003) : Gdansk-Zielona Gora, Poland, 28-30 May, 2003 2003 / p. 61-63

Optimal supercapacitor energy storage system sizing for traction substations

Sirmelis, Ugis; **Zakis, Janis;** Grigans, Linards 2015 IEEE 5th International Conference on Power Engineering, Energy and Electrical Drives (POWERENG) : proceedings : May 11-13, 2015, Riga, Latvia 2015 / p. 592-595 : ill
<http://dx.doi.org/10.1109/PowerEng.2015.7266383>

Power analyse and new loss minimization possibilities of a tram system

Joller, Jüri; Lehtla, Madis 10th International Power Electronics and Motion Control Conference : EPE-PEMC 2002, Cavtat &

Dubrovnik : 9-11 September 2002, Cavtat & Dubrovnik, Croatia 2002

Power analyse of a tram system with energy storage devices

Joller, Jüri; Lehtla, Madis BEC 2002 : proceedings of the 8th Biennial Baltic Electronics Conference : October 6-9, 2002, Tallinn, Estonia 2002 / p. 395-396

Power measurements of trams and trolleybuses in traffic conditions in Tallinn

Arukivi, Andres; Mälter, Meelis; Joller, Jüri; Laugis, Juhan BEC'98 : the 6th Biennial Conference on Electronics and Microsystems Technology, October 7-9, 1998, Tallinn, Estonia : proceedings 1998 / p. 377-380: ill

Power measurements of trams in Tallinn's traffic conditions

Joller, Jüri; Arukivi, Andres; Mälter, Meelis; Laugis, Juhan 43. Internationales Wissenschaftliches Kolloquium, 21.-24.09.1998. Band 4, Elektroenergiesysteme und elektrische Geräte, Diagnostik, Hochspannungstechnik und elektrische Isoliertechnik, Energiewandlung : Vortragsreihen 1998 / p. 622-627: ill

Pärnu maantee viadukt ei pruugi uusi Hispaania tramme kanda : [kommentaar TTÜ sillaehituse õppetooli juhatajalt professor Siim Idnurmelt]

Nergi, Ann-Marii Eesti Päevaleht 2011 / lk. 6

Research and development of energy saving traction drives for trams

Joller, Jüri 2001 https://www.ester.ee/record=b1507469*est

Research and development of voltage converter for trams

Vinnikov, Dmitri; Lehtla, Madis; Joller, Jüri; Laugis, Juhan Power and Electrical Engineering International Scientific Conference 2002 / ? p

Research of energy flows and losses in an electric tram

Joller, Jüri Actual Problems of Electrical Drives and Industry Automation : the 3rd Research Symposium of Young Scientists : Tallinn, Estonia, May 19-26, 2001 2001 / p. 71-73 : ill

Research of trams traction drives

Joller, Jüri Baltic electrical engineering review 1998 / 1, p. 17-20: ill

Research, design and implementation of auxiliary power supplies for the light rail vehicles

Vinnikov, Dmitri; Lehtla, Tõnu 2005 https://www.ester.ee/record=b2097496*est

Säästutramm: Keskerakond viib ustavale Lasnamäele trammiliini : [TTÜ teadlaste poolt pakutud trammiühenduse variandist Lasnamäele]

Leitmaa, Dannar Eesti Päevaleht 2008 / 24. apr., lk. 8 <https://epl.delfi.ee/artikkel/51127353/saastutramm-keskerakond-viib-ustavale-lasnamaele-trammiliini>

Taibukas tramm läks liinile : [9. märtsil 2004 esitlesid TTÜ ja Tallinna Trammi- ja Trollibussikoondise AS trammipark uut trammi]

Mente et Manu 2004 / 30. märts, lk. 7 : fot https://www.ester.ee/record=b1242496*est

Tallinna Tehnikaülikooli ja Tallinna Trammipargi eestvõtmisel esitleti uut intelligentset trammi

Studioosus 2004 / Märts, lk. 3

Tallinnas sõitev tramm nr 99 näitab teed tulevikku : [Tõnu Lehtla kommenteerib TTÜ teadlaste loodud trammi]

Ilustrumm, Kai; **Lehtla, Tõnu** Linnaleht : TTÜ 2004 / 3. det., lk. 5 : fot

Teadlane vastab : miks pole Tallinnas metrood või kiirtrammi? [Võrguväljaanne]

Antov, Dago Eesti Teaduste Akadeemia : Youtube kanal 2020 / video [Teadlane vastab: miks pole Tallinnas metrood või kiirtrammi?](https://www.youtube.com/watch?v=...)

Traction and control of light rail vehicles

Laugis, Juhan; Lehtla, Tõnu; Joller, Jüri; Rosin, Argo; Vinnikov, Dmitri; Lehtla, Madis 2008 http://www.ester.ee/record=b2394449*est

Tram traction drives and comparison of their control methods

Joller, Jüri; Lehtla, Madis; Lehtla, Tõnu; Laugis, Juhan The 7th Biennial Conference on Electronics and Microsystem Technology "Baltic Electronics Conference" : BEC 2000 : October 8 - 11, 2000, Tallinn, Estonia : conference proceedings 2000 / p. 203-204 : ill

Tramm nimega iha : [Eesti esimese energiasäästliku trammi veoajami rekonstrueerisid TTÜ elektriainjamite ja jõuelektroonika instituudi teadlased]

Reinde, Urmi Mente et Manu 2000 / 4. sept., lk. 4 : fot https://www.ester.ee/record=b1242496*est

Tramm, troll või buss?

Villemi, Ene-Mall; Haavik, Veiko Eesti Päevaleht 2000 / 15. nov., lk. 9A https://artiklid.elnet.ee/record=b1653557*est

Trammi ristsetest ja trammiliiklusest Tallinnas : [Tallinna Linnatranspordi AS poolt korraldatud uutele trammidele nimepaneku konkursist]

Simson, Taavi Studioosus 2015 / lk. 7 https://www.ester.ee/record=b1558644*est

Trammi tee läbi ülikooli : [TTÜ elektrijamite ja jõuelektroonika instituudi ja Tallinna Trammi- ja Trollibussikoondise koostööst]

Joller, Jüri Elektriala 2000 / 5, lk. 5-7 : ill https://artiklid.elnet.ee/record=b1005205*est

Trammide energiasäästlike veoajamite uurimine ja väljatöötamine = Research and development of energy saving traction drives for trams

Joller, Jüri 2001 https://www.ester.ee/record=b1618260*est

Trammide seisukorrast

Laugis, Juhan Postimees 1998 / 27. nov., Tallinn, lk. 2

Trammihuvilised

Olander, Aare Õhtuleht 1987 / lk. [?] https://www.ester.ee/record=b1072244*est

Trammiparki ootab uuendamine : [TTÜ teadurid ja üliõpilased projekteerivad linna jaoks senisest mugavamam ja turvalisemat trammi : projekti vedava Juhan Laugise kommentaariga]

Neudorf, Raigo; Laugis, Juhan Eesti Päevaleht 2002 / 12. det., Areng ja Tehnoloogia, lk. 4 : fot

TTÜ teadurid nuputavad trammile paremat mootorit : [TTÜ elektrijamite ja jõuelektroonika instituudi teadurite (juht prof. Juhan Laugis) projektist]

Peensoo, Piret Eesti Päevaleht 2004 / lk. 9 : fot <https://epl.delfi.ee/artikkel/50996821/ttu-teadurid-nuputavad-trammile-paremat-mootorit>

Uude sajandisse väiksema energiakuluga : [TTÜ elektrijamite ja jõuelektroonikainstituudi rekonstrueeritud tramm]

Laugis, Juhan; Joller, Jüri; Heinvere, Uno; Rebane, Aare Sõitja 2000 / okt., lk. 20-21 https://artiklid.elnet.ee/record=b1005878*est

Väike täpsustus Tallinna trammi kroonikasse

Risthein, Endel Elektriala 2003 / 5, lk. 29 https://artiklid.elnet.ee/record=b1014079*est

Ühistranspordi kaitseks : Tallinn ei saa hakkama trammide ja trollideta

Joller, Jüri Postimees 2000 / 16. nov., lk. 21 https://artiklid.elnet.ee/record=b1681115*est

Ümberehitatud trammid 40 säästlikumad : [Tallinna Trammi- ja Trollibussikoondise ja Tallinna Tehnikaülikooli koostööst]

Ehitaja 2004 / 9, lk. 71 : ill

Об опыте Института электропривода и силовой электроники ТТУ в области модернизации электроподвижного состава Таллиннского трамвайного парка

Vinnikov, Dmitri; Boiko, Vitali; Lehtla, Madis; Rosin, Argo; Laugis, Juhan Технічна електродинаміка 2004 / 3, с. 52-55 : ил