

Aerial imagery classification and path planning

Hudjakov, Robert; Tamre, Mart 12th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Kuressaare, Estonia, June 11-16, 2012 / p. 147-148 : ill

Aerial imagery terrain classification for long-range autonomous navigation

Hudjakov, Robert; **Tamre, Mart** Proceedings of International Symposium on Optomechatronic Technologies : ISOT 2009 2009 / p. 88-91 <https://ieeexplore.ieee.org/document/5326104>

Aerial imagery terrain classification for long-range autonomous navigation

Hudjakov, Robert; Tamre, Mart Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22-24th April 2010, Tallinn, Estonia. [Il] 2010 / p. 530-535 : ill

Algoritmi õpetab isejuhtiva auto mõõdasõite tegema

Imeline Teadus 2022 / lk. 21 : fot https://www.ester.ee/record=b2747925*est

Assisting control algorithms for simplified operation of remotely controlled unmanned ground vehicle

Hiimama, Maido; Tamre, Mart 7th International Conference Mechatronics Systems and Materials MSM 2011 : Kaunas, Lithuania, 7-9 July, 2011 : abstracts book and full papers CD 2011 / [5] p

Calculation of the traction effort of ISEAUTO self-driving vehicle

Rassõlkin, Anton; Gevorkov, Levon; Vaimann, Toomas; Kallaste, Ants; Sell, Raivo 2018 25th International Workshop on Electric Drives: Optimization in Control of Electric Drives (IWED) 2018 / p. 1-5 : ill <https://doi.org/10.1109/IWED.2018.8321397>

Deep learning for radar-based object detection in unmanned ground vehicles

Ersü, Can; Petlenkov, Eduard; Janson, Karl Future Frontiers : PhD Conference on Emerging Technologies : Book of Abstracts 2025 / p. 8 : oral 33 https://tuit.ut.ee/sites/default/files/2025-05/PhD%20Conference%202025%20Book%20of%20Abstracts_pub3.pdf

Early design and simulation toolkit for mobile robot platforms

Sell, Raivo; Petritšenko, Andres International journal of product development 2013 / p. 168-192 <https://doi.org/10.1504/IJPD.2013.053499> [Journal metrics at Scopus](#) [Article at Scopus](#)

Eesti esimene isejuhtiv auto : kere Silberautost, tehnoloogia TTÜ-st

Einama, Kaido Director. Inseneeria 2017 / lk. 76-83 : ill https://artiklid.elnet.ee/record=b2824191*est

Eesti esimene isesõitev auto - Iseauto

Elektriline 2018 / lk. 29 : fot http://www.ester.ee/record=b1240496*est https://artiklid.elnet.ee/record=b2866083*est

Eesti esimese autonoomse sõiduki Iseauto prototüüp on valmis

Sell, Raivo Mente et Manu 2018 / lk. 28-29 : fot http://www.ester.ee/record=b1242496*est <http://dea.digar.ee/publication/AKmenteetmanu> <https://taltech.ee/avalehekulg/?id=10641&category=128006#newsTabsMenu> https://artiklid.elnet.ee/record=b2866970*est

Eestlased viisid Kreeka väikelinna tänavatele esimese isejuhtiva bussi

Pau, Aivar forte.delfi.ee 2020 / fot [Eestlased viisid Kreeka väikelinna tänavatele esimese isejuhtiva bussi](https://artiklid.elnet.ee/record=b2866970*est)

End-to-end multimodal sensor dataset collection framework for autonomous vehicles

Gu, Junyi; Lind, Artjom; Chhetri, Tek Raj; Bellone, Mauro; Sell, Raivo Sensors 2023 / art. 6783, 25 p. : ill <https://doi.org/10.3390/s23156783> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Energy efficiency evaluation method for mobile robot platform design = Liikuva robotplatvormi energia efektiivsuse hindamise meetod

Väljaots, Eero 2017 <https://digi.lib.ttu.ee/i/?7414> https://www.ester.ee/record=b4665023*est

Energy efficiency profiles for unmanned ground vehicles

Väljaots, Eero; Sell, Raivo Proceedings of the Estonian Academy of Sciences 2019 / p. 55-65 : ill <https://doi.org/10.3176/proc.2019.1.04> http://www.kirj.ee/public/proceedings_pdf/2019/issue_1/proc-2019-1-55-65.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Esitleti kodumaist isejuhtivat autot

Imeline Teadus 2018 / lk. 21 : fot https://www.ester.ee/record=b2747925*est

Hybrid locomotion of autonomous vehicle - UGV

Tamre, Mart; Sell, Raivo; Hiimama, Maido; Leitaru, Erki; Salong, Peeter 8th International Workshop on Research and Education in Mechatronics 2007 : 14-15 June 2007, Tallinn, Estonia 2007 / p. 305-308 : ill

Idee : TalTechi Iseauto sobiks lennujaamadesse

Intelligent energy management of unmanned ground vehicle

Hiiemaa, Maido; Tamre, Mart Proceedings of the 7th International Conference of DAAAM Baltic Industrial Engineering : 22-24th April 2010, Tallinn, Estonia. [II] 2010 / p. 542-547 : ill

ISEAUTO - First Estonian Self-Driving Vehicle

Rassõlkin, Anton 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. 11-12
https://www.ester.ee/record=b5183874*est

Iseauto uusversioon on värske teo ja näoga

Imeline Teadus 2021 / lk. 20 : fot https://www.ester.ee/record=b2747925*est

Isejuhtiv buss alustas regulaarsel liinil Kadrirus

TööstusEST 2019 / lk. 54 : fot https://issuu.com/meediapiilt/docs/toostusest_september_2019 http://www.ester.ee/record=b4481084*est

Kellele Kadriru iseliikuvat bussi vaja on?

Konsa, Pirkko Digi 2019 / lk. 10 : fot http://www.ester.ee/record=b2040633*est

Kohtla-Järvel saab reedel näha sõitmas päikeseautot [Võrguväljaanne]

postimees.ee 2022 [Kohtla-Järvel saab reedel näha sõitmas päikeseautot](#)

Kuressaaret väisab Iseauto

Ränk, Renat Meie Maa 2019 / lk. 1 : ill

Legged Locomotion on Soft and Wet Terrains [Võrguteavik] = Jalgadel liikumine pehmel ja märjal maastikul

Godon, Simon Pierre 2025 https://www.ester.ee/record=b5754511*est <https://digikogu.taltech.ee/et/Item/3fa536fe-cad0-47ce-b240-5415fb6ce141> <https://doi.org/10.23658/taltech.48/2025>

Liiklusohutus ja teadus - mida saaks teadus liiklusohutuse heaks veel teha?

Kendra, Ain Transport ja Teed 2018 / lk. 30-32 : fot http://www.ester.ee/record=b1073099*est https://artiklid.elnet.ee/record=b2865314*est

Low speed motion feedback for the unmanned ground vehicle

Hiiemaa, Maido; Tamre, Mart Proceedings of the 8th International Conference of DAAAM Baltic Industrial Engineering, 19-21st April 2012, Tallinn, Estonia. 1 2012 / p. 293-300 : ill

Low speed motion feedback from the unmanned ground vehicle wheels by single-pole magnetic encoders

Hiiemaa, Maido; Tamre, Mart 12th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Kuressaare, Estonia, June 11-16, 2012 2012 / p. 145-146 : ill

Modelling and simulation of autonomous vehicles and systems and their advanced control methods = Autonomsete sõidukite ja süsteemide ning nende täiustatud juhtimismetoodikate modelleerimine ja simuleerimine

Pedai, Andrus 2021 https://www.ester.ee/record=b5391357*est <https://digikogu.taltech.ee/et/Item/654ccb12-0d81-4ae2-ae07-11248063913c> <https://doi.org/10.23658/taltech.9/2021>

Modular smart control system architecture for the mobile robot platform

Sell, Raivo; Väljaots, Eero; Pataaria, Tengiz; Malayjerdi, Ehsan Proceedings of the Estonian Academy of Sciences 2019 / p. 395-400 : ill http://www.kirj.ee/32713/?tpl=1061&c_tpl=1064 <https://doi.org/10.3176/proc.2019.4.08> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Neural network control of vehicles : modeling and simulation

Astrov, Igor 2022 <https://doi.org/10.52305/GXGD6357> https://www.ester.ee/record=b5642329*est

An optimal control method for an autonomous surface vessel for environment monitoring and cargo transportation applications

Astrov, Igor; Udal, Andres; Mölder, Heigo 2021 25th International Conference Electronics : Proceedings of the 25th International Conference : ELECTRONICS 2021, Kaunas University of Technology, 14th–16th June, 2021, Palanga, Lithuania 2021 / 6 p <https://doi.org/10.1109/IEEECONF52705.2021.9467483>

Orthophoto classification for UGV path planning using heterogeneous computing

Hudjakov, Robert; Tamre, Mart International journal of advanced robotic systems 2013 / [7] p. : ill <https://doi.org/10.5772/56545> https://www.researchgate.net/publication/269785081_Orthophoto_Classification_for_UGV_Path_Planning_using_Heterogeneous_Computing [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Overview of cyber-physical control systems for self-driving vehicles

Pikner, Heiko 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. 105-106 : ill https://www.ester.ee/record=b5291755*est

Parametric digital twin of autonomous electric vehicle transmission

Rassõlkin, Anton; Rjabtšikov, Viktor; Kuts, Vladimir; Kudelina, Karolina; Vaimann, Toomas; Kallaste, Ants; Partyshev, Andriy Journal of machine engineering 2021 / p. 131-140 : ill <https://doi.org/10.36897/jme/134435> [Journal metrics at Scopus](#) [Article at Scopus](#)

Quo vadis, pakirobot?

Oja, Kairi Tehnikamaailm : TM : sõidukid, elektroonika, teadus, tehnoloogia 2018 / lk. 95-98 : fot http://www.ester.ee/record=b1073050*est https://artiklid.elnet.ee/record=b2865814*est

Reconfigurable battery pack for unmanned ground vehicle

Hiiemaa, Maido; Tamre, Mart 9th International Symposium "Topical problems in the field of electrical and power engineering". Doctoral school of energy and geotechnology. II : Pärnu, Estonia, June 14-19, 2010 2010 / p. 200-203 : ill

Soil sampling automation using mobile robotic platform

Väljaots, Eero; Lehiste, H.; Kiik, M.; Leemet, Tõnu Agronomy research 2018 / p. 917-922 : ill <https://doi.org/10.15159/AR.18.138> [Journal metrics at Scopus](#) [Article at Scopus](#)

Soil sampling automation using mobile robotic platform [Online resource]

Väljaots, Eero; Lehiste, H.; Kiik, M.; Leemet, Tõnu 9th International Conference "Biosystems Engineering 2018": 9–11 May, 2018, Estonia, Tartu : book of abstracts 2018 / p. 113 http://bse.emu.ee/wp-content/uploads/2018/10/ABS_2018_Book_VV.pdf

A systematic review of cutting-edge radar technologies : applications for unmanned ground vehicles (UGVs)

Ersü, Can; Petlenkov, Eduard; Janson, Karl Sensors 2024 / art. 7807 <https://doi.org/10.3390/s24237807> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Tallinna tehnikaülikool näitas iseautot

Horisont 2018 / lk. 5 : fot https://www.ester.ee/record=b1072243*est <http://www.horisont.ee/arhiiv-2018/Horisont-5-2018.pdf> https://artiklid.elnet.ee/record=b2865290*est

Tehnikaülikooli ja Silberauto koostööprojektina loodav isejuhtiv auto on jõudnud arendusetappi

Mente et Manu 2017 / lk. 8 : fot https://www.ttu.ee/public/m/mente-et-manu/MM_05_2017/mobile/index.html https://artiklid.elnet.ee/record=b2826992*est

TTÜ ja Silberauto koostöös ehitatakse ülikooli 100. juubeliks isejuhtiv sõiduk

Mente et Manu 2017 / lk. 8 : fot https://www.ttu.ee/public/m/mente-et-manu/MM_04_2017/mobile/index.html#p=1 https://artiklid.elnet.ee/record=b2826897*est

Universal navigation algorithm planning platform for unmanned systems

Sell, Raivo; Leomar, Priit Proceedings of International Conference Mechatronic Systems and Materials : Vilnius, Lithuania, 22-25 October 2009 2009 / p. 63-64 https://www.researchgate.net/publication/243762582_Universal_Navigation_Algorithm_Planning_Platform_for_Unmanned_Systems