

Accuracy assessment of RTK-GNSS equipped UAV conducted as-built surveys for construction site modelling

Varbla, Sander; Puust, Raido; Ellmann, Artu Survey review 2021 / p. 477-492 <https://doi.org/10.1080/00396265.2020.1830544>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Adapting a regional geoid model to national geodetic infrastructure and conventions [Online resource]

Oja, Tõnis; Märdla, Silja; Ellmann, Artu; Rüdja, Andres 1st Joint Commission 2 and IGFS Meeting International Symposium on Gravity, Geoid and Height Systems 2016 : September 19-23, 2016, Thessaloniki, Greece : program 2016 / [2] p
<http://gghs2016.com/search/?entry=958>

Adaptively undersampled image processing for fast multiline laser detection

Mölder, Ago; Märten, Olev; Saar, Tõnis; Land, Raul 2013 IEEE 8th International Symposium on Intelligent Signal Processing (WISP 2013) : proceedings 2013 / p. 60-64 : ill [CD-ROM]

Advancements in underground mine surveys by using SLAM-enabled handheld laser scanners

Ellmann, Artu; Kütimets, Kaia; Varbla, Sander; Väli, Erik; Kanter, Sander Survey review 2022 / p. 363-374
<https://doi.org/10.1080/00396265.2021.1944545> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Aerolaserskaneerimise andmetest maapinna tuvastamine erinevate filtreerimisalgoritmidega

Julge, Kalev; Gruno, Anti; Ellmann, Artu Geodeet 2013 / lk. 32-36 : ill

Airborne laser scanning derived sea surface height datasets in the Gulf of Finland (10.05.2018)

Varbla, Sander; Ellmann, Artu; Delpeche-Ellmann, Nicole Camille SEANOE 2020 <https://doi.org/10.17882/76491>

Airborne laser scanning determination of sea surface heights [Electronic resource]

Ellmann, Artu; Julge, Kalev; Gruno, Anti; Liibus, Aive 26th IUGG General Assembly 2015 : Prague, Czech Republic, Prague Congress Centre, June 22-July 02, 2015 2015 / [1] p

Airborne laser scanning validation of marine geoid models [Online resource]

Ellmann, Artu; Julge, Kalev; Gruno, Anti; Liibus, Aive 1st Joint Commission 2 and IGFS Meeting International Symposium on Gravity, Geoid and Height Systems 2016 : September 19-23, 2016, Thessaloniki, Greece : program 2016 / [1] p
<http://gghs2016.com/presentation-info/?presentation=728>

Analysis of the performances of hyperspectral lidar for water pollution diagnostics

Sobolev, Innokenti; Babichenko, Sergey EARSel eProceedings 2013 / p. 113-123 : ill

Application of orthogonality-relation for the separation of Lamb modes at a plate edge : numerical and experimental predictions

Ratassepp, Madis; Klauson, Aleksander; Chati, Farid Ultrasonics 2015 / p. 90-95 : ill <https://doi.org/10.1016/j.ultras.2014.10.022>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Application of terrestrial laser scanning technology for engineering structure surveys = Terrestrial laserskaneerimine ehituskonstruksioonide mõõdistamisel

Mill, Tarvo 2017 <https://digi.lib.ttu.ee/i/?9118> https://www.ester.ee/record=b4744263*est

Application of the wavelet transform for feature extraction in the analysis of hyperspectral laser-induced fluorescence data

Sobolev, Innokenti; Babichenko, Sergey International journal of remote sensing 2013 / p. 7218-7235 : ill
<https://doi.org/10.1080/01431161.2013.817714> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Applications of airborne laser scanning for determining marine geoid and surface waves properties

Varbla, Sander; Ellmann, Artu; Delpeche-Ellmann, Nicole Camille European journal of remote sensing 2021 / p. 558-568
<https://doi.org/10.1080/22797254.2021.1981156> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Assessment of along-normal uncertainties for application to terrestrial laser scanning surveys of engineering structures

Mill, Tarvo; Ellmann, Artu Survey review 2019 / p. 1-16 : ill <https://doi.org/10.1080/00396265.2017.1361565> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Body measurements extraction from 3D scanner data

Elbrecht, Pirjo; Henno, Jaak; Palm, Knut-Joosep Mechatronics and control engineering : selected, peer reviewed papers from the 2013 Asian Pacific Conference on Mechatronics and Control Engineering (APCMCE 2013), March 26-27, 2013, Hong Kong 2013 / p. 372-377 <https://doi.org/10.4028/www.scientific.net/AMM.339.372> [Article at Scopus](#)

Centimetre-range deformations of built environment revealed by drone-based photogrammetry

Varbla, Sander; Ellmann, Artu; Puust, Raido Automation in Construction 2021 / art. 103787
<https://doi.org/10.1016/j.autcon.2021.103787> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Combined 3D building surveying techniques – terrestrial laser scanning (TLS) and total station surveying for BIM data management purposes

Mill, Tarvo; Alt, Aivars; Liias, Roode Journal of civil engineering and management 2013 / p. S23-S32 : ill

https://www.researchgate.net/publication/261643973_Combined_3D_building_surveying_techniques-Terrestrial_laser_scanning_TLS_and_total_station_surveying_for_BIM_data_management_purposes

<https://doi.org/10.3846/13923730.2013.795187> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Combined laser scanning to monitor coastal processes

Eelsalu, Maris; Julge, Kalev; Grünthal, Erkkö; Märdla, Silja; Ellmann, Artu; Soomere, Tarmo; Tõnisson, Hannes MEME'2014 : Mathematics and Engineering in Marine and Earth Problems : 22-25 July 2014, Aveiro, Portugal : book of abstracts 2014 / p. 106-108 : ill

Combining Airborne and Terrestrial Laser Scanning technologies for measuring complex structures

Julge, Kalev; Ellmann, Artu The 9th International Conference "Environmental Engineering" : 22-23 May 2014, Vilnius, Lithuania : selected papers 2014 / p. 1-7 : ill

Combining airborne and terrestrial laser scanning to monitor coastal processes

Julge, Kalev; Eelsalu, Maris; Grünthal, Erkkö; Märdla, Silja; Ellmann, Artu; Soomere, Tarmo; Tõnisson, Hannes 2014 IEEE/OES Baltic International Symposium : 26-29 May 2014, Tallinn, Estonia : [proceedings] 2014 / [10] p. : ill

Combining airborne and terrestrial laser scanning to monitor coastal processes

Julge, Kalev; Eelsalu, Maris; Grünthal, Erkkö; Märdla, Silja; Ellmann, Artu; Tõnisson, Hannes Measuring and Modeling of Multi-Scale Interactions in the Marine Environment : IEEE/OES Baltic Symposium 2014, May 26.-29.2014, Tallinn, Estonia : book of abstracts 2014 / p. 49

Determining sea surface heights using small footprint airborne laser scanning

Gruno, Anti; Liibus, Aive; Ellmann, Artu Remote Sensing of the Ocean, Sea Ice, Coastal Waters, and Large Water Regions 2013 : 24 September 2013, Dresden, Germany 2013 / p. 88880R-1-88880R-13 : ill <https://doi.org/10.1117/12.2029189> Conference Proceedings at Scopus Article at Scopus Article at WOS

A DSP-based laser scanner

Saar, Tõnis; Märtens, Olev BEC 2008 : 2008 International Biennial Baltic Electronics Conference : proceedings of the 11th Biennial Baltic Electronics Conference : Tallinn University of Technology : October 6-8, 2008, Tallinn, Estonia 2008 / p. 345-348 : ill

Elektrontahhümeetrite ja laserskanneri kaugusmõõduri täpsuse hindamine

Saarik, Sander; Kala, Vello; Märdla, Silja Geodeet 2014 / lk. 76-82 : ill

Enhancement of Unmanned Aerial Vehicle photogrammetry by high-resolution airborne laser scanning data [Electronic resource]

Julge, Kalev; Ellmann, Artu 26th IUGG General Assembly 2015 : Prague, Czech Republic, Prague Congress Centre, June 22-July 02, 2015 2015 / [1] p

Estimation of gap fraction and foliage clumping in forest canopies

Kuusk, Andres; Pisek, Jan; Lang, Mait; Märdla, Silja Remote sensing 2018 / art. 1153, 17 p. : ill <https://doi.org/10.3390/rs10071153> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Exploring sea surface heights by using airborne laser scanning

Julge, Kalev; Gruno, Anti; Ellmann, Artu; Liibus, Aive; Oja, Tõnis 2014 IEEE/OES Baltic International Symposium : 26-29 May 2014, Tallinn, Estonia : [proceedings] 2014 / [7] p. : ill

Exploring sea surface heights by using airborne laser scanning

Julge, Kalev; Gruno, Anti; Ellmann, Artu; Oja, Tõnis; Liibus, Aive Measuring and Modeling of Multi-Scale Interactions in the Marine Environment : IEEE/OES Baltic Symposium 2014, May 26.-29.2014, Tallinn, Estonia : book of abstracts 2014 / p. 50

Extraction of the variable width laser line

Mölder, Ago; Märtens, Olev; Saar, Tõnis; Land, Raul BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 157-160 : ill

Fassaadide võrdlev mõõdistus tahhümeetria, maapealse fotogramm-meetria ja laserskaneerimise teel

Elmi, Liis; Märdla, Silja; Ellmann, Artu Geodeet 2014 / lk. 92-94, 96-101 : ill https://artiklid.elnet.ee/record=b2721043*est

Friction studies of metal surfaces with various 3D printed patterns tested in dry sliding conditions

Holovenko, Yaroslav; Antonov, Maksim; Kollo, Lauri; Hussainova, Irina Proceedings of the Institution of Mechanical Engineers. Part J, Journal of engineering tribology 2018 / p. 43-53 <https://doi.org/10.1177/1350650117738920> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

From discrete gravity survey data to a high-resolution gravity field representation in the Nordic-Baltic region

Märdla, Silja; Ågren, Jonas; Strykowski, Gabriel; Oja, Tõnis; **Ellmann, Artu** Marine geodesy 2017 / p. 416-453 : ill

<https://doi.org/10.1080/01490419.2017.1326428> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

From discrete gravity survey data to a high-resolution gravity field representation in the Nordic-Baltic region [Online resource]

Märdla, Silja; Ågren, Jonas; Strykowski, Gabriel; Oja, Tõnis; **Ellmann, Artu** 1st Joint Commission 2 and IGFS Meeting International Symposium on Gravity, Geoid and Height Systems 2016 : September 19-23, 2016, Thessaloniki, Greece : program 2016 / [2] p

<http://gghs2016.com/presentation-info/?presentation=719>

Geodeedid valmistavad maailma kolmemõõtmelise mudeli

Aru, Erik; Mente et Manu 2015 / lk. 16-17 : fot https://artiklid.elnet.ee/record=b2725563*est

Geodetic monitoring of bridge deformations occurring during static load testing

Mill, Tarvo; **Ellmann, Artu**; Kiisa, Martti; **Idnurm, Juhan**; Horemuz, Milan; **Aavik, Andrus** The Baltic journal of road and bridge engineering 2015 / p. 17-27 : ill <https://doi.org/10.3846/bjrbe.2015.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Information processing for mass-customized clothing production

Elbrecht, Pirjo; Palm, Knut-Joosep 2016 IEEE Tenth International Conference on Semantic Computing : 3-5 February 2016, Laguna Hills, California : proceedings 2016 / p. 362-365 : ill <https://doi.org/10.1109/ICSC.2016.51>

Initial tests and accuracy assessment of a compact mobile laser scanning system [Online resource]

Julge, Kalev; **Ellmann, Artu**; Vajakas, Toivo; Kolka, Riivo The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences : XXIII ISPRS Congress, 12-19 July 2016, Prague, Czech Republic. Volume XL-B1 2016 / p. 633-638 : ill <https://doi.org/10.5194/isprs-archives-XL-B1-633-2016> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

<https://doi.org/10.5194/isprs-archives-XL-B1-633-2016> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Interannual coastal processes in Estonia, Peraküla beach monitored by laser scanning technology [Online resource]

Eelsalu, Maris; **Pindsoo, Katri**; **Soomere, Tarmo**; **Julge, Kalev** 2nd Baltic Earth Conference The Baltic Sea in Transition :

Helsingør, Denmark, 11 to 15 June 2018 : conference proceedings 2018 / p. 115-116 : ill https://www.baltic-earth.eu/publications/IBESPublications/No_13_Helsingor_Proceedings/2ndBalticEarthConferenceProceedings_IBESP_No13_web.pdf

Iterative refinement and accuracy validation of marine geoid models = Meregeoidi mudelite iteratiivne täpsustamine ja täpsuse valideerimine

Varbla, Sander 2023 <https://doi.org/10.23658/taltech.35/2023> <https://digikogu.taltech.ee/et/Item/4087a2ae-321e-4a1b-b11f-dd8fd5ab1b99> https://www.ester.ee/record=b5568726*est

Kiire ja lihtne 3D-mõõdistamine Flexijeti abiga

Karu, Veiko Inseneeria 2013 / lk. 37 : ill

3D-kaamerad - jälle üks

Strandberg, Marek Inseneeria 2015 / lk. 41 : ill https://artiklid.elnet.ee/record=b2738580*est

Laser line detection with sub-pixel accuracy

Mölder, Ago; **Märtens, Olev**; **Saar, Tõnis**; **Land, Raul** Elektronika ir elektrotehnika = Electronics and electrical engineering 2014 / p. 132-135 : ill <https://doi.org/10.5755/j01.eee.20.5.7114> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

<https://doi.org/10.5755/j01.eee.20.5.7114> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Laser scanner calibration dependency on the line detection method

Mölder, Ago; **Märtens, Olev**; **Saar, Tõnis**; **Land, Raul** Elektronika ir elektrotehnika = Electronics and electrical engineering 2015 / p. 66-69 : ill <https://doi.org/10.5755/j01.eee.21.6.13765> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

<https://doi.org/10.5755/j01.eee.21.6.13765> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Laser scanning of built environment and landforms with spatial modelling applications = Laserskaneerimine ehitiste ja looduslike pinnavormide mõõdistamisel ning tulemuste modelleerimine

Julge, Kalev 2018 <https://digi.lib.ttu.ee/i/?9288> https://www.ester.ee/record=b4760989*est

Laser scanning reveals detailed spatial structure of sandy beaches

Eelsalu, Maris; **Julge, Kalev**; Grünthal, Erko; **Ellmann, Artu**; **Soomere, Tarmo** IUTAM Symposium on Complexity of Nonlinear Waves : book of abstracts 2014 / p. 45

Lasermõõtesüsteem muudab mudelprojekteerimise tasuvaks

Jüriorg, Urmas Ehitaja 2013 / lk. 48-49 : ill https://artiklid.elnet.ee/record=b2617196*est

Leica kõrgtäpsed 3D laserskannerid

Metsa võrastiku läbipaistvus

Kuusk, Andres; Lang, Mait; **Märdla, Silja**; Pisek, Jan Kaugseire Eestis 2018 : artiklikogumik 2018 / lk. 77-89 : ill
https://kosmos.ut.ee/sites/default/files/kosmos/kaugseire_eestis_2018.pdf

Metsapuude maapealne laserskaneerimine – võlud ja valud

Talvik, Silja; Kangur, Ahto XII Eesti Ökoloogiakonverents, Tartu, 18-19 oktoober 2013 2013

Mittestandardse kujuga ehitiste laserskaneerimine ja punktpilve põhjal modelleerimine TTÜ veetorni näitel

Aule, Silver Geodeet 2016 / lk. 60-64 : ill http://www.ester.ee/record=b1072198*est https://artiklid.elnet.ee/record=b2802977*est

Monitoring of coastal processes by using airborne laser scanning data

Grünthal, Erkko; **Gruno, Anti**; **Ellmann, Artu** The 9th International Conference "Environmental Engineering" : 22-23 May 2014, Vilnius, Lithuania : selected papers 2014 / p. 1-7 : ill

Performance analysis of a compact and low-cost mapping-grade mobile laser scanning system

Julge, Kalev; Vajakas, Toivo; **Ellmann, Artu** Journal of applied remote sensing 2017 / p. 044003-1 - 044003-23 : ill
<https://doi.org/10.1117/1.JRS.11.044003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Performance analysis of freeware filtering algorithms for determining ground surface from airborne laser scanning data

Julge, Kalev; **Ellmann, Artu**; **Gruno, Anti** Journal of applied remote sensing 2014 / p. 083573-1-083573-15 : ill
<https://doi.org/10.1117/1.JRS.8.083573> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Pinnavormide mõõdistuspunktide asukohavalikust tulenevate üldistusvigade kvanifitseerimine terrestrialise laserskaneerimise lausandmestiku põhjal

Sobak, Martin; **Ellmann, Artu**; **Mill, Tarvo** Geodeet 2014 / lk. 84-91 : ill https://artiklid.elnet.ee/record=b2721042*est

Preventive management of undesired changes in alongshore sediment transport in the planning of a waterfront infrastructure

Käärd, Arvo; Valdmann, Ain; **Eelsalu, Maris**; **Pindsoo, Katri**; **Männikus, Rain**; **Soomere, Tarmo** The Sustainable City XI 2016 / p. 419-430 : ill <http://doi.org/10.2495/SC160361>

Product development technological environment

Mesila, Rein; **Pohlak, Meelis** Proceedings of the 3rd International Conference Industrial Engineering - New Challenges to SME : 25-27 April 2002, Tallinn, Estonia 2002 / p. 112-115 : ill

Quality evaluation of sizeable surveying-industry-produced terrestrial laser scanning point clouds that facilitate building information modeling - a case study of seven point clouds

Varbla, Sander; **Puust, Raido**; **Ellmann, Artu** Buildings 2024 / art. 3371 <https://doi.org/10.3390/buildings14113371> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Quantification of changes in the beach volume by applying an inverse Bruun's Rule and laser scanning technology in Pirita Beach, Tallinn Bay

Eelsalu, Maris; **Soomere, Tarmo**; **Julge, Kalev** Climate modelling and impacts from the global to the regional to the urban scale : an international scientific seminar at HafenCity University Hamburg, 10 March 2015 : poster abstracts 2015 / p. 8

Quantification of changes in the beach volume by the application of an inverse of the Bruun Rule and laser scanning technology

Eelsalu, Maris; **Soomere, Tarmo**; **Julge, Kalev** Proceedings of the Estonian Academy of Sciences 2015 / p. 240-248 : ill
https://artiklid.elnet.ee/record=b2740531*est <https://doi.org/10.3176/proc.2015.3.06> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Quantification of longshore sediment transport and compartments in urban areas : a case study of shores of Tallinn, the Baltic Sea

Eelsalu, Maris; **Viigand, Katri** Regional studies in marine science 2023 / art. 103199 <https://doi.org/10.1016/j.rsma.2023.103199> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Quantification of the changes in sediment volume in a small beach applying laser scanning technology

Eelsalu, Maris; **Soomere, Tarmo**; **Julge, Kalev**; **Grünthal, Erkko** 10th Baltic Sea Science Congress : Science and innovation for future of the Baltic and the European regional seas : 15-19 June, 2015, Riga, Latvia : abstract book 2015 / p. 197
http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Quantification of the evolution of a small beach applying laser scanning technology

Eelsalu, Maris; **Julge, Kalev**; **Soomere, Tarmo**; Grünthal, Erkko Baltic Earth - Gulf of Finland Year 2014 Modelling Workshop : Modelling as a tool to ensure sustainable development of the Gulf of Finland-Baltic Sea ecosystem : Finnish Environment Institute

Rannaprotsesside anatoomia laserskaneerimise skalpelliga

Eelsalu, Maris; Ellmann, Artu; Julge, Kalev; Märdla, Silja; Soomere, Tarmo Kaugseire Eestis 2014 : artiklikogumik 2014 / lk. 47-58 : ill., kaart

Rannaprotsesside monitooring aerolaserskaneerimise korduvmõõtmistest

Grünthal, Erko; **Gruno, Anti; Ellmann, Artu** Geodeet 2013 / lk. 37-42 : ill

Rannaprotsesside seire aerolaserskaneerimise korduvmõõtmistest

Gruno, Anti; Grünthal, Erko; **Ellmann, Artu** XII Eesti Ökoloogiakonverents, Tartu, 18-19 oktoober 2013 2013

Road surface surveying using terrestrial laser scanner and total station technologies

Mill, Tarvo; Ellmann, Artu; Uueküla, Katrin; Joala, Vahur The 8th International Conference Environmental Engineering : May 19-20, 2011, Vilnius, Lithuania : selected papers. Volume III 2011 / p. 1142-1147 : ill

Small-footprint airborne laser scanner data for validating marine geoid models

Gruno, Anti; Liibus, Aive; **Ellmann, Artu;** Oja, Tõnis; Vain, Ants; Jürgenson, Harli 2013 European Space Agency Living Planet Symposium : [programme and abstracts] 2013 / [1] p

TalTech teeb oma õppelinnaku hoonetest digitaalse 3D-mudeli

Alvela, Ain EhitusEST 2023 / lk. 12-15 : ill https://www.ester.ee/record=b4442657*est

Teetasapinna mõõdistamine terestrilise laserskaneerimise ja elektrontahhümeetilise mõõdistamise tehnoloogiaga

Mill, Tarvo; Ellmann, Artu; Uueküla, Katrin; Joala, Vahur Geodeet 2011 / lk. 81-85 : ill

Terrestrial laser scanning assessment of generalization errors in conventional topographic surveys

Sobak, Martin; **Ellmann, Artu; Mill, Tarvo** Geodesy and cartography 2015 / p. 15-24 : ill <https://doi.org/10.3846/20296991.2015.1029755>
[Journal metrics at Scopus](#) [Article at Scopus](#)

Terrestrial laser scanning for the monitoring of bridge load tests - two case studies

Lõhmus, Hannes; Ellmann, Artu; Märdla, Silja; Idnurm, Siim Survey review 2018 / p. 270-284 : ill
<https://doi.org/10.1080/00396265.2016.1266117> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Terrestrial laser scanning technology for deformation monitoring of a large suspension roof structure

Mill, Tarvo; Ellmann, Artu INGEO 2104 : proceedings of the 6th International Conference on Engineering Surveying : Prague, Czech Republic, April 03-04, 2014 2014 / p. 179-186 : ill

Terestrilise laserskaneerimise kaasamine sildade koormus-katsetuste geodeetilistel uuringutel

Lõhmus, H.; **Ellmann, Artu; Märdla, Silja** Geodeet 2014 / lk. 32-42 https://artiklid.elnet.ee/record=b2721021*est

The 5 mm geoid model for Estonia computed by the least squares modified Stokes's formula

Ellmann, Artu; Märdla, Silja; Oja, Tõnis Survey review 2020 / p. 352-372 : ill <https://doi.org/10.1080/00396265.2019.1583848> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The data integration tool for digitized tailoring

Elbrecht, Pirjo; Henno, Jaak; Palm, Knut-Joosep INES 2013 : IEEE 17th International Conference on Intelligent Engineering Systems : proceedings : June 19-21, 2013, Costa Rica 2013 / p. 193-196 : ill

The D-bar method for diffuse optical tomography : a computational study

Tamminen, Janne Pertti Olavi; Tarvainen, T.; Siltanen, Samuli Experimental mathematics 2017 / p. 225-240 : ill
<https://doi.org/10.1080/10586458.2016.1157775> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

3D geological and petrophysical numerical models of E6 structure for CO2 storage in the Baltic Sea

Šogenov, Kazbulat; Forlin, Edy; **Šogenova, Alla** Energy procedia 2017 / p. 3564-3571 : ill
<https://doi.org/10.1016/j.egypro.2017.03.1486> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Tree stems from terrestrial laser scanner measurements

Kuusk, Andres; Lang, Mait; **Märdla, Silja;** Pisek, Jan Forestry studies = Metsanduslikud uurimused 2015 / p. 44-55 : ill
<https://doi.org/10.1515/fsmu-2015-0008> http://www.ester.ee/record=b1230062*est [Journal metrics at Scopus](#) [Article at Scopus](#)

Underground oil shale mine surveying using handheld mobile laser scanner

Kütimets, Kaia; Ellmann, Artu; Väli, Erik; Kanter, Sander Oil shale 2021 / p. 42-64 <https://doi.org/10.3176/oil.2021.1.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Use of 3D body scanner data in digital tailoring

Elbrecht, Pirjo Proceedings of the 4th International Conference on 3D Body Scanning Technologies : Long Beach CA, USA, 19-20 November 2013 / p. 76-83

Using airborne laser scanning profiles to validate marine geoid models [Electronic resource]

Julge, Kalev; Gruno, Anti; Ellmann, Artu; Liibus, Aive; Oja, Tõnis Geophysical research abstracts 2014 / p. EGU2014-412. [CD-ROM]

Utilising airborne laser scanning and geoid model for examining marine processes

Varbla, Sander; Ellmann, Artu; Delpeche-Ellmann, Nicole Camille Abstracts : [BSSC 2019] 2019 / p. 166

https://www.su.se/polopoly_fs/1.446756.1566224624!/menu/standard/file/abstracts_A5_ny.pdf

Utilizing airborne laser scanning and geoid model for near-coast improvements in sea surface height and marine dynamics

Varbla, Sander; Ellmann, Artu; Delpeche-Ellmann, Nicole Camille Journal of coastal research 2020 / p. 1339-1343

<https://doi.org/10.2112/SI95-257.1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Waist circumference measurement extraction from 3D scanner data

Elbrecht, Pirjo; Henno, Jaak; Palm, Knut-Joosep Industrial materials - applications, products, and technologies : selected, peer reviewed papers from the 2013 World Congress on Industrial Materials – Applications, Products and Technologies (WCIM 2013), April 1-2, 2013, Beijing, China 2013 / p. 725-731 <https://doi.org/978-303785746-5> [Article at Scopus](#)

Üksikpuu kõrguse mõõtmine

Kangur, Ahto; **Märdla, Silja;** Arumäe, Tauri; Jürgenson, Harli; Kask, Priit Eesti Mets 2015 / lk. 34-39 : fot

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