

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>

Assessment of marine geoid models by ship-borne GNSS profiles

Varbla, Sander; Ellmann, Artu; Märdla, Silja; Gruno, Anti Geodesy and cartography 2017 / p. 41-49 : ill
<https://doi.org/10.3846/20296991.2017.1330771> [Journal metrics at Scopus](#) [Article at Scopus](#)

Combined laser scanning to monitor coastal processes

Eelsalu, Maris; Julge, Kalev; Grünthal, Erko; **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 to monitor coastal processes

Julge, Kalev; Eelsalu, Maris; Grünthal, Erko; **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, Erko; **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 regional sea surface topography by GNSS surveys on ice

Liibus, Aive; **Märdla, Silja; Ellmann, Artu**; Oja, Tõnis 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. 75

Determining regional sea surface topography by GNSS surveys on ice

Liibus, Aive; **Märdla, Silja; Ellmann, Artu**; Oja, Tõnis 2014 IEEE/OES Baltic International Symposium : 26-29 May 2014, Tallinn, Estonia : [proceedings] 2014 / [9] p. : ill

Elektrontahhümeetrite ja laserskanneri kaugusmõõduri täpsuse hindamine

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

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](#)

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

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

Märdla, Silja; Agren, 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 Tallinna merekonverentsil

Märdla, Silja; Julge, Kalev Geodeet 2014 / lk. 53-54 : fot

Geoidi modelleerimine kõrguste lähtenivoopinnana

Ellmann, Artu; Märdla, Silja; Oja, Tõnis Teadusmõte Eestis (X). Tehnikateadused. 3 : [artiklikogumik] 2019 / lk. 21-36 : ill
https://www.ester.ee/record=b5208765*est

Improving and validating gravity data over ice-covered marine areas

Märdla, Silja; Oja, Tõnis; **Ellmann, Artu**; Jürgenson, Harli IAG 150 years : proceedings of the 2013 IAG Scientific Assembly, Potsdam, Germany, 1-6 September, 2013 2016 / p. 263-270 : ill http://dx.doi.org/10.1007/1345_2015_163

Improving regional gravity field and geoid modelling by various use of global geopotential models [Online resource]

Märdla, Silja; Ellmann, Artu; Oja, Tõnis; Ågren, Jonas 26th IUGG General Assembly 2015 : Prague, Czech Republic, Prague Congress Centre, June 22-July 02, 2015 2015 / [1] p

Investigations towards the NKG2014 geoid model in Estonia [Electronic resource]

Märdla, Silja; Oja, Tõnis; **Ellmann, Artu** Abstract Book for the NKG General Assembly : Göteborg, Sweden, September 1-4, 2014 / p. 14 http://www.lantmateriet.se/globalassets/kartor-och-geografisk-information/gps-och-matning/nkg2014/abstract_book_nkg2014_web.pdf

Kõrgem geodeesia : polügonomeetria ja kõrgtäpne nivelleerimine

Kala, Vello; **Ellmann, Artu**; **Märdla, Silja** 2015 http://www.ester.ee/record=b4467361*est

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

Modelling the influence of terraced landforms to the Earth's gravity field

Märdla, Silja; Oja, Tõnis; **Ellmann, Artu**; Jürgenson, Harli Gravity, Geoid and Height Systems : proceedings of the IAG Symposium GGHS2012, October 9-12, 2012, Venice, Italy 2014 / p. 157-162 : ill

On the development of the new Nordic gravimetric geoid model NKG2015

Ågren, Jonas; **Märdla, Silja**; **Ellmann, Artu** 26th IUGG General Assembly 2015 : Prague, Czech Republic, Prague Congress Centre, June 22-July 02, 2015 2015 / [1] p

Overview of the FAMOS efforts to improve the Baltic Sea geoid model by new marine gravity measurements

Ågren, Jonas; Schwabe, Joachim; Strykowski, Gabriel; **Ellmann, Artu**; **Märdla, Silja** IAG-IASPEI 2017 : Joint Scientific Assembly of the International Association of Geodesy (IAG) and International Association of Seismology and Physics of the Earth's Interior (IASPEI) : Kobe (Japan), July 30 - August 4, 2017 : abstract book 2017 / p. [72] http://www.iag-iaspei-2017.jp/files/IAG-IASPEI2017_abstracts.pdf

Precise levelling data processing near terraced landforms

Märdla, Silja Geodesy and cartography 2014 / p. 51-57 : ill <https://doi.org/10.3846/20296991.2014.930247> [Journal metrics at Scopus](#) [Article at Scopus](#)

Põhjamaade Geodeesiakomisjoni (NKG) geoidi-kõrgussüsteemide ning geodünaamika töögrupi kohtumised Rootsis Gävles 2014.a kevadel

Oja, Tõnis; **Märdla, Silja** Geodeet 2014 / lk. 26-27 : fot https://artiklid.elnet.ee/record=b2721019*est

Põhjamaade geodeesiakomisjoni (NKG) üldassamblee Rootsis Göteborgis 2014. a sügisel

Märdla, Silja; Oja, Tõnis Geodeet 2014 / lk. 112-114 : fot https://artiklid.elnet.ee/record=b2721046*est

Rannaprotsesside anatoomia laserskaneerimise skalpelliga

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

Regional geoid computation by least squares modified Hotine's formula with additive corrections

Märdla, Silja; **Ellmann, Artu**; Ågren, Jonas; Sjöberg, Lars E. IAG-IASPEI 2017 : Joint Scientific Assembly of the International Association of Geodesy (IAG) and International Association of Seismology and Physics of the Earth's Interior (IASPEI) : Kobe (Japan), July 30 - August 4, 2017 : abstract book 2017 / p. [83] http://www.iag-iaspei-2017.jp/files/IAG-IASPEI2017_abstracts.pdf

Regional geoid computation by least squares modified Hotine's formula with additive corrections

Märdla, Silja; **Ellmann, Artu**; Ågren, Jonas; Sjöberg, Lars E. Journal of geodesy 2018 / p. 253-270 : ill <https://doi.org/10.1007/s00190-017-1061-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Regional geoid modelling by the least squares modified Hotine formula using gridded gravity disturbances = Piirkondlik geoidi modelleerimine vähimruutude meetodil modifitseeritud Hotine valemiga kasutades võrgustatud raskuskiirenduse hälbeid

Märdla, Silja 2017 <https://digi.lib.ttu.ee/i/?9130> https://www.ester.ee/record=b4749552*est

Regional models of the gravity field from terrestrial gravity data of heterogeneous quality and density [Electronic resource]

Märdla, Silja; Oja, Tõnis; **Ellmann, Artu**; Jürgenson, Harli Geophysical research abstracts 2014 / p. EGU2014-168. [CD-ROM]

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](#)

Terrestrilise 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 NKG2015 gravimetric geoid model for the Nordic-Baltic region [Online resource]

Ägren, Jonas; Strykowski, Gabriel; **Märdla, Silja**; **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=721>

Tree stems from terrestrial laser scanner measurements

Kuusik, 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.eester.ee/record=b1230062*est [Journal metrics at Scopus](#) [Article at Scopus](#)

Viinis Euroopa suurimal maateaduste konverentsil

Julge, Kalev; **Märdla, Silja** Geodeet 2014 / lk. 49-50 : fot https://artiklid.elnet.ee/record=b2721029*est

Vilniuses naaberriikide geodeesia-alase teadustegevusega tutvumas

Märdla, Silja; **Julge, Kalev**; **Ellmann, Artu** Geodeet 2014 / lk. 51-52 : fot https://artiklid.elnet.ee/record=b2721031*est

Üksikpuu kõrguse mõõtmine

Kangur, Ahto; **Märdla, Silja**; Arumäe, Tauri; Jürgenson, Harli; Kask, Priit Eesti Mets 2015 / lk. 34-39 : fot
https://artiklid.elnet.ee/record=b2763727*est