

- Abrupt changes in wave climate of regional seas caused by large-scale atmospheric forcing and teleconnections**
Kudryavtseva, Nadezhda Geophysical research abstracts 2020 / EGU2020-22430 <https://doi.org/10.5194/egusphere-egu2020-22430>
- Analytical solutions and numerical modeling for a dam-break problem in inclined channels**
Pelinovsky, Efim; Didenkulova, Irina; Didenkulov, Oleg; Rodin, Artem Geophysical research abstracts 2016 / p. EGU2016-7153
- Calibration results of different type spring gravimeters from the repeated measurements of Estonian calibration lines**
Oja, Tõnis; Nikolenko, T.; Türk, K.; Ellmann, Artu; Jürgenson, Harli Geophysical research abstracts 2010 / p. EGU2010-13590
https://www.nordicgeodeticcommission.com/wp-content/uploads/2014/10/NKG2010_Calibration-Estonia_TOja.pdf
- Combining different modification methods of the Stokes formula [Electronic resource]**
Ellmann, Artu Geophysical research abstracts 2010 / p. EGU2010-12420 [CD-ROM]
- Comparison of dynamic topography bias in HIROMB and NEMO-Nordic model by utilizing marine geoid**
Jahanmard, Vahidreza; Delpeche-Ellmann, Nicole Camille; Ellmann, Artu Geophysical research abstracts 2020 / p. EGU2020-20134 <https://doi.org/10.5194/egusphere-egu2020-20134>
- Determining the ice seasons severity during 1982-2015 using the ice extents sum as a new characteristic**
Rjazin, Jevgeni; Pärn, Ove Geophysical research abstracts 2016 / p. EGU2016-3020
- Deterministic and stochastic modifications of the Stokes formula**
Ellmann, Artu Geophysical research abstracts 2009 / p. EGU2009-9274-1 [CD-ROM]
<https://meetingorganizer.copernicus.org/EGU2009/EGU2009-9274-1.pdf>
- Dispersive effects during long wave runup on a beach**
Didenkulova, Irina; Abdalazeez, Ahmed; Dutykh, Denys Geophysical research abstracts 2019 / p. EGU2019-16378
<https://meetingorganizer.copernicus.org/EGU2019/EGU2019-16378.pdf>
- Donward continuation of airborne gravity data [Electronic resource]**
Ellmann, Artu Geophysical research abstracts 2010 / p. EGU2010-9449 [CD-ROM]
- Evaluating the accuracy of orthophotos and 3D models from UAV photogrammetry**
Julge, Kalev; Ellmann, Artu Geophysical research abstracts 2015 / p. EGU2015-655
- Examining coastal upwellings from a Lagrangian perspective in the Gulf of Finland, Baltic Sea**
Delpeche-Ellmann, Nicole Camille; Mingelaite, Toma; Soomere, Tarmo Geophysical research abstracts 2017 / p. EGU2017-18648 <https://meetingorganizer.copernicus.org/EGU2017/EGU2017-18648.pdf>
- Examining the role of bottom topography on coastal upwelling jets using a synergy of in-situ, satellite and model data in the Gulf of Finland, Baltic Sea**
Delpeche-Ellmann, Nicole Camille; Döös, Kristofer; Viikmäe, Bert; Soomere, Tarmo Geophysical research abstracts 2018 / p. EGU2018-15364 <https://meetingorganizer.copernicus.org/EGU2018/EGU2018-15364.pdf>
- Experimental study of wave impact on the nearshore structures during extreme coastal floods**
Sriram, Venkatachalam; Didenkulova, Irina; Pelinovsky, Efim; Rodin, Artem Geophysical research abstracts 2016 / p. EGU2016-4240
- Fossilisation by Mg-calcite: mineralized microbes in methane-derived carbonates from the Vestnesa Ridge, off western Svalbard**
Himmler, Tobias; Wirth, Richard; Martma, Tõnu; Bohrmann, Gerhard; Bünz, Stefan; Knies, Jochen; Lepland, Aivo Geophysical research abstracts 2018 / p. EGU2018-14291 <https://meetingorganizer.copernicus.org/EGU2018/EGU2018-14291.pdf>
- Geodetic SAR for height system unification and sea level research in the Baltics**
Gruber, Thomas; Agren, Jonas; Angermann, Dettlef; Ellmann, Artu; Gisinger, Christoph; Nastula, Jolanta; Oikonomidou, Xanthi; Poutanen, Markku Geophysical research abstracts 2020 / EGU2020-3132, 1 p <https://doi.org/10.5194/egusphere-egu2020-3132>
- Gravity surveys on large icecovered lakes in Estonia [Electronic resource]**
Oja, Tõnis; Ellmann, Artu; Bloom, Ahti; Gruno, Anti Geophysical research abstracts 2010 / p. EGU2010-13761 [CD-ROM]
- Improving the terrestrial gravity dataset in South-Estonia [Electronic resource]**
Oja, Tõnis; Gruno, Anti; Bloom, Ahti; Mäekivi, E.; Ellmann, Artu; All, Tarmo; Jürgenson, Harli; Michelson, M. Geophysical research abstracts 2009 / p. EGU2009-10997 [CD-ROM]
- Laboratory study of peculiarities of the freak-wave generation**
Rodin, Artem; Tyugin, Dmitry; Kurkin, Andrey; Kurkina, Oxana; Didenkulova, Irina Geophysical research abstracts 2017 / p.

Lagrangian timescales in the gulf of Finland

Viikmäe, Bert; Torsvik, Tomas Geophysical research abstracts 2017 / p. EGU2017-3854
<http://meetingorganizer.copernicus.org/EGU2017/EGU2017-3854.pdf>

Lower-crystal earthquakes reflect magma movements beneath the north Iceland rift near Askja

Soosalu, Heidi Elisabet; White, R.S.; Key, A.J.; Knox, C.; Einarsson, Pall; Jakobsdottir, Steinunn S. Geophysical research abstracts 2008 / p. 07323 <https://meetings.copernicus.org/www.cosis.net/abstracts/EGU2008/07323/EGU2008-A-07323.pdf>

Mobility support and networking for women in STEM

Avellis, Giovanna; **Didenkulova, Irina** Geophysical research abstracts 2017 / p. EGU2017-809-2

Molecular components of dissolved organic matter distinguished by optical properties and HPLC in the sediments of Lake Tõugjärv, Southern Estonia

Lepane, Viia; Makarõtsëva, Natalja; Alliksaar, Tiiu Geophysical research abstracts 2009 / p. 12450
<https://meetingorganizer.copernicus.org/EGU2009/EGU2009-12450.pdf>

Multi-epoch re-measurements of the EUREF densification network in Estonia

Metsar, Jaanus; Kollo, Karin; **Ellmann, Artu**; Pihlak, Priit; Rüdja, Andres Geophysical research abstracts 2019 / p. EGU2019-16401
<https://meetingorganizer.copernicus.org/EGU2019/EGU2019-16401.pdf>

Nonlinear deformation and run-up of elongated solitary waves: numerical simulations and analytical predictions

Abdalazeez, Ahmed; Didenkulova, Irina; Dutykh, Denys Geophysical research abstracts 2019 / p. EGU2019-10473
<https://meetingorganizer.copernicus.org/EGU2019/EGU2019-10473.pdf>

Numerical simulation of unidirectional irregular nonlinear waves in the basin of intermediate depth

Slunyaev, Alexey; Sergeeva, Anna; **Didenkulova, Irina** Geophysical research abstracts 2016 / p. EGU2016-3303

Performance of the Earth Gravitational Model EGM08 over the Baltic countries [Electronic resource]

Ellmann, Artu; Kaminskis, J.; Parseliunas, E.; Jürgenson, Harli; Oja, Tõnis Geophysical research abstracts 2009 / p. EGU2009-9507 [CD-ROM]
https://www.researchgate.net/publication/252195364_Performance_of_the_Earth_Gravitational_Model_EGM08_over_the_Baltic_countries

Quantitative land-cover change in space and time over the last 11 000 years in the Baltic Sea catchment area and Norway - implications for studies on vegetation-climate interactions and land-use as a forcing of climate change

Trondman, Anna-Kari; Gaillard, Marie-Jose; Nielsen, Anne Birgitte; **Veski, Siim** Geophysical research abstracts 2016 / p. EGU2016-6169 <http://meetingorganizer.copernicus.org/EGU2016/EGU2016-6169.pdf>

Recovery technologies for building materials

Karu, Veiko; Nurme, Martin; Valgma, Ingo Geophysical research abstracts 2015 / p. EGU2015-849

Reflectionless wave dynamics in channels of variable depth and width

Pelinovsky, Efim; **Didenkulova, Irina**; Shurgalina, Ekaterina Geophysical research abstracts 2017 / p. EGU2017-2977

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]

Response of water temperature to surface wave effects in the Baltic Sea : simulations with the coupled NEMO-WAM model

Alari, Victor; Staneva, Joanna; Breivik, Øyvind Geophysical research abstracts 2016 / p. EGU2016-4363

Runup of nonlinear deformed waves on a beach [Electronic resource]

Didenkulova, Irina; Kurkin, Andrey; Pelinovsky, Efim; **Soomere, Tarmo**; Zahibo, Narcisse Geophysical research abstracts 2006 / Proc. European Geosciences Union (EGU) General Assamblee : Vienna, 4-8 April 2006, Paper 01453 [1] p. [CD-ROM]
https://www.researchgate.net/publication/277047102_Runup_of_nonlinear_deformed_waves_on_a_beach

Sandy coast cross-shore profile changes in a high wave energy environment, Palanga, Baltic Sea

Kelpšaitė-Rimkienė, Loreta; Kondrat, Vitalijus; **Parnell, Kevin Ellis** Geophysical research abstracts 2019 / p. EGU2019-10345
<https://meetingorganizer.copernicus.org/EGU2019/EGU2019-10345.pdf>

Selective removal of selenium by phytoremediation from post mining coal wastes : practicality and implications

Monei, Nthathi Lilian; Veetil, Sanoop Kumar Puthiya; Hitch, Michael William; Gao, Jeffrey Geophysical research abstracts 2020 / EGU2020-16117, 1 p <https://doi.org/10.5194/egusphere-egu2020-16117>

Shallow water rogue wave formation in inhomogeneous channels

Pelinovsky, Efim; **Didenkulova, Irina** Geophysical research abstracts 2016 / EGU2016-1219

Spatial variation of statistical properties of extreme water levels along the eastern Baltic Sea

Pindsoo, Katri; Soomere, Tarmo; Rocha, Eugenio Geophysical research abstracts 2016 / p. EGU2016-9679

A spectral modelling of the gravitational contribution of the far-zone topography

Tenzer, Robert; Abdalla, Ahmed; Novak, Pavel; Vajda, Peter; **Ellmann, Artu** Geophysical research abstracts 2011 / p. EGU2011-9674

Spectroscopic analysis of chromatographically separated molecular fractions of sedimentary dissolved organic matter

Lepane, Viia; Hinnov, Mariann; Tõnno, Ilmar; **Alliksaar, Tiiu** Geophysical research abstracts 2008 / [2] p

Statistics for long irregular wave run-up on a plane beach from direct numerical simulations

Didenkulova, Irina; Senichev, Dmitry; Dutykh, Denys Geophysical research abstracts 2017 / p. EGU2017-19133

Svalbard ice cores studies threatened by rapid climate warming

Isaksson, Elisabeth; Divine, Dmitry V.; Gallet, Jean-Charles; Kohler, Jack; **Martma, Tõnu** Geophysical research abstracts 2019 / p. EGU2019-7727 <https://meetingorganizer.copernicus.org/EGU2019/EGU2019-7727.pdf>

The effects of wind and waves on in-situ surface drift in the Baltic Sea [Online resource]

Delpeche-Ellmann, Nicole Camille; Giudici, Andrea; Soomere, Tarmo Geophysical research abstracts 2020 / p. EGU2020-11496 <https://doi.org/10.5194/egusphere-egu2020-11496>

The n-alkane composition of the Late-glacial lake sediments from eastern Baltic correlates with paleoclimatic episodes

Amon, Leeli; Veski, Siim; Liiv, Merlin; Alliksaar, Tiiu; Vassiljev, Jüri; Sachse, Dirk Geophysical Research Abstracts 2018 / p. EGU2018-16115-1 <https://meetingorganizer.copernicus.org/EGU2018/EGU2018-16115-1.pdf>
<http://adsabs.harvard.edu/abs/2018EGUGA..2016115A>

Trends in the components of extreme water levels signal a rotation of winds in strong storms in the eastern Baltic Sea

Pindsoo, Katri; Soomere, Tarmo Geophysical research abstracts 2016 / p. EGU2016-9378

Unusual wave conditions in the northern Baltic Sea during windstorm Gudrun in January 2005 [Electronic resource]

Soomere, Tarmo; Behrens, A.; Tuomi, Laura; Nielsen, J.W. Geophysical research abstracts 2006 / Proc. European Geosciences Union (EGU) General Assamblee : Vienna, 4-8 April 2006, Paper 02851 [3] p. [CD-ROM]

Updated tide gauge records for specifying mean sea level estimates along the Estonian coast

Kollo, Karin; **Ellmann, Artu; Kõuts, Tarmo; Vahter, Kaimo** Geophysical research abstracts 2019 / p. EGU2019-15931
<https://meetingorganizer.copernicus.org/EGU2019/EGU2019-15931.pdf>

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]

Validation of multi-mission satellite altimetry for the Baltic Sea region

Kudryavtseva, Nadezhda; Soomere, Tarmo; Giudici, Andrea Geophysical research abstracts 2016 / p. EGU2016-5571

Variations in the wave climate of the Baltic Sea in the last 25 years from satellite altimetry

Kudryavtseva, Nadezhda; Soomere, Tarmo Geophysical research abstracts 2016 / p. EGU2016-5589

Wet separation processes as method to separate limestone and oil shale

Nurme, Martin; Karu, Veiko Geophysical research abstracts 2015 / p. EGU2015-854