

A reliability study of wave climate modelling in the Baltic Sea

Räämet, Andrus; Soomere, Tarmo 6th Study Conference on BALTEX : 14-18 June 2010, Miedzyzdroje, Poland : conference proceedings 2010 / p. 71-72 : ill

An abrupt change in winds that may radically affect the coasts and deep sections of the Baltic Sea

Soomere, Tarmo; Bishop, Steven R.; Viška, Maija; Räämet, Andrus Climate research 2015 / p. 163-171 : ill
<https://doi.org/10.3354/cr01269> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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>

Accuracy issues of the Haar wavelet method

Mikola, Madis; Haavajõe, Anti; Arak, Marti; Majak, Jüri; Pohlak, Meelis; Shvartsman, Boris 28th Nordic Seminar on Computational Mechanics, 22-23 October, Tallinn, 2015 : proceedings of the NSCM28 2015 / p. 103-106

Advances in nonlinear wave research for hazard warning and mitigation

Didenkulova, Irina; Grimshaw, Roger; Slunyaev, Alexey; Tinti, Stefano Natural hazards 2016 / p. S431-S436
<https://doi.org/10.1007/s11069-016-2633-1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

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

Ellmann, Artur; 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>

An experimental investigation of the breaking wave characteristics in coastal regions

Liiv, Toomas Fourth International Conference on Coastal and Port Engineering in Developing Countries : proceedings of the COPEDEC IV, Rio de Janeiro, Brazil, 25-29 September 1995. Vol. 3 1995 / p. 2334- 2343: ill

An experimental investigation of the oscillatory boundary layer around the breaking point

Liiv, Toomas Proceedings of the Estonian Academy of Sciences. Engineering 2007 / 3, p. 215-233 : ill

An investigation of breaking waves in the flume

Liiv, Toomas Second Indian National Conference on Harbour and Ocean Engineering, 7-10 December, 1997, Thiruvananthapuram, India 1998 / [9] p

Analysis of ship wake transformation in the coastal zone using time-frequency methods

Torsvik, Tomas; Hermann, Heiko; Didenkulova, Irina; Rodin, Artem Proceedings of the Estonian Academy of Sciences 2015 / p. 379-388 : ill https://artiklid.elnet.ee/record=b2740572*est <https://doi.org/10.3176/proc.2015.3S.08> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Analysis of the properties of fast ferry wakes in the context of coastal management = Kiirlaevalainete omaduste analüüs rannikualade haldamise kontekstis

Kurennoy, Dmitry 2009 <https://digi.lib.ttu.ee/i/?4448> https://www.ester.ee/record=b2508754*est

Application of empirical orthogonal functions reveals multiple modes of variations in the Baltic Sea wave climate

Najafzadeh, Fatemeh; Kudryavtseva, Nadezhda; Soomere, Tarmo 7th IEEE/OES Baltic Symposium Clean and Safe Baltic Sea and Energy Security for the Baltic countries : abstract book, 12-15 June 2018, Klaipėda, Lithuania 2018 / p. 50
http://balticvalley.lt/baltic2018/wp-content/uploads/2018/06/abstract-book_7th_Baltic-Symposium_20180528.pdf

Application of Haar wavelet based methods for solving wave propagation problems

Ratas, Mart; Jena, S.K.; Chakraverty, S. AIP conference proceedings 2020 <https://doi.org/10.1063/5.0026696> [Conference proceeding at Scopus](#) [Article at Scopus](#)

Application of Haar wavelet method for solving nonlinear evolution equations

Ratas, Mart International Conference of Numerical Analysis and Applied Mathematics, ICNAAM 2018 : 13-18 September 2018, Rhodes, Greece 2019 / art. 330004, p. 1–4 <https://doi.org/10.1063/1.5114342> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Application of shore sediments accumulated in navigation channel for restoration of sandy beaches around Pärnu City, SW Estonia, Baltic Sea

Tõnisson, Hannes; Männikus, Rain; Kont, Are; Palginõmm, Valdeko; Alari, Victor; Suuroja, Sten; Vaasma, Tiit; Vilumaa, Kadri Journal of marine science and engineering 2024 / art. 394 <https://doi.org/10.3390/jmse12030394> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Application of the LSTM models for Baltic Sea wave spectra estimation

Simon, Martin; Rikka, Sander; Nõmm, Sven; Alari, Victor IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing 2023 / p. 83-88 : ill <https://doi.org/10.1109/JSTARS.2022.3220882> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Assessment of the development limitations for wave energy utilization in the Baltic Sea

Vidjajev, Nikon; Palu, Riina; Terentjev, Jan; Hilmola, Olli-Pekka Kristian; Alari, Victor Sustainability 2022 / art. 2832 <https://doi.org/10.3390/su14052832> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Baltic Sea wave climate variability and its connection with climatic indices deduced from Empirical Orthogonal Functions

Najafzadeh, Fatemeh; Kudryavtseva, Nadezhda; Soomere, Tarmo Abstracts : [BSSC 2019] 2019 / p. 125 https://www.su.se/polopoly_fs/1.446756.1566224624!/menu/standard/file/abstracts_A5_ny.pdf

Baltic Sea wave climate via empirical orthogonal function analysis [Online resource]

Najafzadeh, Fatemeh; Kudryavtseva, Nadezhda; Soomere, Tarmo Baltic Earth Workshop on multiple drivers for Earth system changes in the Baltic Sea region : Tallinn University of Technology, Tallinn, Estonia 26-27 November 2018 : [programme, abstracts, participants] 2018 / p. 40 https://www.baltic-earth.eu/publications/IBESPublications/No_14_Workshop_Multiple_Drivers_Tallinn_Nov2018/No_14_Tallinn2018.pdf

Band gap tuning based on adjustable stiffness of local resonators

Alimohammadi, Hossein; Vassiljeva, Kristina; HosseinNia, Hassan; Petlenkov, Eduard META 2023 Paris - France : The 13th International Conference on Metamaterials, Photonic Crystals and Plasmonics : proceedings 2023 / p. 1743-1744 : ill https://metaconferences.org/META23/files/meta23_proceedings.pdf

A big wave at Pouto, Kaipara Harbour, New Zealand

Parnell, Kevin Ellis Journal of Coastal Research 2020 / p. 291-294 <https://doi.org/10.2112/JCR-SI101-053.1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Changing properties of wind waves and vessel wakes on the eastern coast of the Baltic Sea = Tuulelainete režiimi ja laevalainete omaduste muutused Läänemere idarannikul

Kelpšaitė, Loreta 2009 <https://digi.lib.ttu.ee/i/?451> https://www.ester.ee/record=b2508681*est

Characterization of circumferential modes of a lucite cylinder immersed in water

Chati, F.; Leon, Fernand; Maze, Gerard Proceedings of the International EAA/EEAA Symposium : Transport Noise and Vibration, Tallinn, 8.06 - 10.06. 1998 1998 / p. 277-280: ill

CMEMS Baltic Monitoring and Forecasting Centre : high-resolution wave forecasts in the seasonally ice-covered Baltic Sea [Online resource]

Tuomi, Laura; Vähä-Piikkiö, Olga; Siili, T.; Alari, Victor Operational oceanography serving sustainable marine development : Proceedings of the Eighth EuroGOOS International Conference, 3-5 October 2017, Bergen, Norway 2018 / p. 269-274 : ill <http://eurogoos.eu/download/publications/EuroGOOS-2017-Conference-Proceedings.pdf>

Cnoidal waves governed by the Kudryashov-Sinelshchikov equation

Randrüüt, Merle; Braun, Manfred Physics letters A 2013 / p. 1868-1874 : ill <https://www.sciencedirect.com/science/article/pii/S0375960113005288> <https://doi.org/10.1016/j.physleta.2013.05.040> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Coastal flooding : Joint probability of extreme water levels and waves along the Baltic Sea coast

Kudryavtseva, Nadezhda; Räämet, Andrus; Soomere, Tarmo 3rd Baltic Earth Conference : Earth system changes and Baltic Sea coasts, To be held in Jastarnia, Hel Peninsula, Poland, 1 to 5 June 2020, Held online, 2-3 June 2020 : Conference proceedings 2020 / p. 70-71 : ill ["proceedings"](#)

Coastal flooding: Joint probability of extreme water levels and waves along the Baltic Sea coast

Kudryavtseva, Nadezhda; Räämet, Andrus; Soomere, Tarmo Journal of coastal research 2020 / p. 1146-1151 <https://doi.org/10.2112/SI95-222.1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparative study on numerical hydroelastic analysis of impact-induced loads

Yan, Dongni; Hosseinzadeh, Saeed; Lakshminarayanan, Puramharikrishnan; Mikkola, Tommi; Hirdaris, Spyros 23rd Numerical Towing Tank Symposium : 11th – 13th October 2021 Mülheim an der Ruhr, Germany 2021 / p. 150-155 : ill https://www.uni-due.de/ISMT/ismt_nutts_2021.php

Comparison between eddy viscosities for a plunging breaker wave

Oldekop, Nelly; Liiv, Toomas 6th IAHR Europe Congress, Warsaw, Poland : abstract book 2021 / p. 411-412 <https://iahr2020.pl/wp-content/uploads/2021/02/Book-of-Abstracts-15-02-2021.pdf>

Comparison between modelled and measured wind wave parameters in Estonian coastal waters

Zaitseva-Pärnaste, Inga; Räämet, Andrus; Soomere, Tarmo Proceedings of the 2nd International Conference (school) on Dynamics of Coastal Zone of Non-tidal Seas : Baltiysk (Kaliningrad oblast, Russia), 26-30 June 2010 2010 / p. 106-110

Comparison between the dynamic behavior of the non-stepped and double-stepped planing hulls in rough water: A numerical study

Esfandiari, Arman; Tavakoli, Sasan; **Dashtimanesh, Abbas** Journal of ship production and design 2020 / Paper Nr: SNAME-JSPD-2020-36-1-52 ; p. 52–66 <https://doi.org/10.5957/jspd.2020.36.1.52>

A comparison of Baltic Sea wave properties simulated using two modelled wind data sets

Giudici, Andrea; Jankowski, Mikolaj Zbigniew; Männikus, Rain; Najafzadeh, Fatemeh; Suursaar, Ülo; Soomere, Tarmo Estuarine, coastal and shelf science 2023 / art. 108401, 15 p. : ill <https://doi.org/10.1016/j.ecss.2023.108401> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Comparison of dispersive and nondispersive models for wave run-up on a beach

Abdalazeez, Ahmed; Didenkulova, Irina; Dutykh, Denys; Denissenko, Petr Izvestiya, atmospheric and oceanic physics 2020 / p. 494-501 <https://doi.org/10.1134/S0001433820050023> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A comparison of parameterized, simulated and measured eddy diffusivities in the Gulf of Finland

Lilover, Madis-Jaak; Stips, Adolf Konrad BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 119

Comparison of rectangular wave excitations in broad band impedance spectroscopy for microfluidic applications

Min, Mart; Giannitsis, Athanasios; **Land, Raul;** Cahill, Brian; Pliquet, Uwe; Nacke, T.; Frense, Dieter; Gastrock, Gunter; Beckmann, Dieter World Congress on Medical Physics and Biomedical Engineering : September 7-12, 2009, Munich, Germany 2009 / p. 85-88 https://link.springer.com/chapter/10.1007/978-3-642-03885-3_24

Comparison of several numerical methods in one-dimensional discontinuous elastic wave propagation

Kolman, Radek; **Berezovski, Arkadi;** Gabriel, Dusan; **Tamm, Kert** 28th Nordic Seminar on Computational Mechanics, 22-23 October, Tallinn, 2015 : proceedings of the NSCM28 2015 / p. 89-92 : ill

Comparison of the wave power for the open and sheltered segments of the Baltic Sea coast

Kovaleva, Olga; Soomere, Tarmo; Eelsalu, Maris 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. 210 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

A concept of determining settling velocity in waves: dynamic settling velocity

Liiv, Toomas The Baltic : The Eighth Marine Geological Conference : September 23-28, 2004, Tartu, Estonia : abstracts. Excursion guide 2004 / p. 33

Contribution of fundamental research towards solving challenges of changing times in coastal science and management

Soomere, Tarmo Research in Estonia : present and future 2011 / p. 206-226 : ill

Contribution of wave set-up into the total water level in the Tallinn area

Pindsoo, Katri; Soomere, Tarmo Proceedings of the Estonian Academy of Sciences 2015 / p. 338-348 : ill https://artiklid.elnet.ee/record=b2740558*est <https://doi.org/10.3176/proc.2015.3S.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Contribution of wave set-up into the total water level in the Tallinn area

Pindsoo, Katri; Soomere, Tarmo 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. 87 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Convergence theorem for the Haar wavelet based discretization method

Majak, Jüri; Shvartsman, Boris; **Kirs, Maarjus; Pohlak, Meelis; Herranen, Henrik** Composite structures 2015 / p. 227-232 <https://doi.org/10.1016/j.compstruct.2015.02.050> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Crest-trough asymmetry of waves generated by high-speed ferries

Kurennoy, Dmitry; Didenkulova, Irina; Soomere, Tarmo Estonian journal of engineering 2009 / 3, p. 182-195 : ill

Criteria for the transition from a breaking bore to an undular bore

Pelinovsky, Efim; Shurgalina, Ekaterina; **Rodin, Artem** Izvestiya, atmospheric and oceanic physics 2015 / p. 530-533 : ill <https://doi.org/10.1134/S0001433815050096> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Decadal changes in the Baltic Sea wave heights

Soomere, Tarmo; Räämet, Andrus Journal of marine systems 2014 / p. 86-95 : ill <https://doi.org/10.1016/j.jmarsys.2013.03.009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Decadal-scale impacts of a segmented, shore-parallel breakwater system

Dolphin, Tony; Vincent, C.E.; Bacon, J.C.; Dumont, E.; **Terentjeva, Anna** Coastal engineering 2012 / p. 24-34 : ill
https://www.researchgate.net/publication/236268238_Decadal-scale_impacts_of_a_segmented_shore-parallel_breakwater_system

Dense gravity currents in rotating, up-sloping and converging channel

Cuthbertson, Alan; Davies, Peter; **Laanearu, Janek**; Wahlin, Anna Proceedings of VII International Symposium on Stratified Flows (ISSF2011), 22nd-26th of August, Rome, Italy 2011
https://www.researchgate.net/publication/283792789_Dense_Gravity_Currents_in_a_Rotating_Up-sloping_Converging_Channel

Determination of closure depths for sheltered areas of the eastern part of the Baltic Sea

Kovaleva, Olga; **Soomere, Tarmo**; **Eelsalu, Maris**; **Ryabchuk, Daria** 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. 233
http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Determining properties of nonlinear microstructured materials by means of solitary waves

Janno, Jaan; **Engelbrecht, Jüri** Proc. 5th International Conference on Inverse Problems in Engineering : Cambridge, 2005. Vol. II 2005 / p. J02 1-6

A device for measuring wind waves in the marginal ice zone

Alari, Victor; Björkqvist, Jan-Victor; **Kask, Anne**; Mölder, Kristjan; Kaldvee, Valdur Abstracts : [BSSC 2019] 2019 / p. 296
https://www.su.se/polopoly_fs/1.446756.1566224624!/menu/standard/file/abstracts_A5_ny.pdf

Diapycnal mixing and internal waves in the Saint John River Estuary, New Brunswick, Canada with a discussion relative to the Baltic Sea

Delpeche, Nicole; **Soomere, Tarmo**; **Lilover, Madis-Jaak** Estonian journal of engineering 2010 / 2, p. 157-175 : ill

Digital-physical convergence of wave energy conversion [Online resource]

Vidjajev, Nikon; **Alari, Victor**; Terentjev, Jan Book of Abstracts of the General Assembly 2020 (online event) of the WECANet COST Action CA17105 : A pan-European Network for Marine Renewable Energy with a Focus on Wave Energy 2020 / p. 43 "[Digital-physical convergence of wave energy conversion](#)"

Discrete spectral analysis for solitary waves

Engelbrecht, Jüri; **Salupere, Andrus**; Kalda, Jaan; Maugin, Gerard Acoustic interactions with submerged elastic structures. Part 2, Propagation, ocean acoustics and scattering 2001 / p. 1-40

Discrete spectral analysis for solitary waves

Engelbrecht, Jüri; **Salupere, Andrus**; Kalda, J.; Maugin, Gerard Wave propagation : flow, sound, structures and their interactions 1997 / [40] p

Dispersion analysis of wave motion in microstructured solids = Lainete dispersioon mikrostruktuuriga materjalides

Peets, Tanel 2011

Dispersive and nondispersive nonlinear long wave transformations: numerical and experimental results

Torsvik, Tomas; **Abdalazeez, Ahmed**; Dutykh, Denys; Denissenko, Petr; **Didenkulova, Irina** Applied wave mathematics II : selected topics in solids, fluids, and mathematical methods and complexity 2019 / p. 41-60 https://doi.org/10.1007/978-3-030-29951-4_3
https://www.ester.ee/record=b5303400*est

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>

Dispersive elastic waves

Berezovski, Arkadi; **Ván, Peter** Internal variables in thermoelasticity 2017 / p. 85-98 https://doi.org/10.1007/978-3-319-56934-5_6
[Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Doktoritöö heidab valgust Läänemere ja selle ranniku tangole [Võrguväljaanne]

Oldermaa, Jaan-Juhan; **Eelsalu, Maris** novaator.err.ee 2020 / fot [Doktoritöö heidab valgust Läänemere ja selle ranniku tangole](#)

'Dynamical' representation of the Poincare algebra for higher-spin fields in interaction with plane waves

Saar, R.; **Loide, Rein-Karl**; Ots, I.; Tammelo, R. Journal of physics A : mathematical and general 1999 / p. 2499-2508

Dynamics of solitons in a nonintegrable version of the modified Korteweg-de Vries equation

Kurkina, Oxana; Kurkin, Andrey; Ruvinskaja, E. A.; Pelinovsky, Efim; **Soomere, Tarmo** JETP letters 2012 / p. 91-95 : ill
<https://link.springer.com/article/10.1134/S0021364012020051>

Edge resonances in semi-infinite thick pipe : theoretical predictions and measurements [Electronic resource]

Ratassepp, Madis; **Klauser, Aleksander**; Chati, Farid; Leon, Fernand; Maze, Gerard Special issue of the Revista de Acustica :

19th international Congress on Acoustics, Madrid (Spain), 2-7 September 2007 / [6] p. [CD-ROM]
<https://pubs.aip.org/asa/jasa/article/124/2/875/841531/Edge-resonance-in-semi-infinite-thick-pipe>

Effects of large-scale atmospheric circulation on the Baltic Sea wave climate : application of the EOF method on multi-mission satellite altimetry data

Najafzadeh, Fatemeh; Kudryavtseva, Nadezhda; Soomere, Tarmo Climate dynamics 2021 / p. 3465–3478 : ill
<https://doi.org/10.1007/s00382-021-05874-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effects of the sampling bias on retrieved modes of wave climate variations from satellite altimetry : Baltic Sea case study

Najafzadeh, Fatemeh; Kudryavtseva, Nadezhda; Soomere, Tarmo 2019 European Space Agency Living Planet Symposium 2019 / [1] p <https://lps19.esa.int>

Elastic wave Talbot effect in solids with inclusions

Berezovski, Arkadi; Tang, Wen-Xin; Wan, Weishi Mechanics research communications 2014 / p. 21-26 : ill
<https://doi.org/10.1016/j.mechrescom.2014.05.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Elastic waves in microstructured solids

Berezovski, Arkadi Encyclopedia of Continuum Mechanics 2020 / p. 830-837 https://doi.org/10.1007/978-3-662-55771-6_231

„Enneolematu katastroof”. Tonga vulkaani mõju ulatub üle maailma [Võrguväljaanne]

Truusõöt, Mari-Liis epl.delfi.ee 2022 / Lk. 10 : fot „Enneolematu katastroof”. Tonga vulkaani mõju ulatub üle maailma"
<https://dea.digar.ee/article/eestipaevaleht/2022/01/20/11.1>

Ensemble hindcast of the wave properties in the Baltic Sea [Online resource]

Räämet, Andrus; Soomere, Tarmo Baltic Earth Workshop on multiple drivers for Earth system changes in the Baltic Sea region : Tallinn University of Technology, Tallinn, Estonia 26-27 November 2018 : [programme, abstracts, participants] 2018 / p. 42
https://www.baltic-earth.eu/multipledrivers2018/material/No.14_Tallinn2018.pdf

Estimates of wave climate in the northern Baltic Proper derived from visual wave observations at Vilsandi

Soomere, Tarmo; Zaitseva, Inga Proceedings of the Estonian Academy of Sciences. Engineering 2007 / 1, p. 48-64 : ill

Estimating the wave statistics bias in the partially ice-covered regions of the Baltic Sea

Najafzadeh, Fatemeh; Kudryavtseva, Nadezhda; Giudici, Andrea; Soomere, Tarmo 3rd Baltic Earth Conference : Earth system changes and Baltic Sea coasts, To be held in Jastarnia, Hel Peninsula, Poland, 1 to 5 June 2020, Held online, 2-3 June 2020 : Conference proceedings 2020 / P. 181-182 : ill [Proceeding](#)

The European physical journal. Special topics

2010 https://www.ester.ee/record=b2624547*est

Evaluation of Haar wavelet method in engineering applications

Kirs, Maarjus; Tungal, Ernst International Conference on Numerical Analysis and Applied Mathematics (ICNAAM 2018) : Rhodes, Greece, 13–18 September 2018 2019 / art. 330003 <https://doi.org/10.1063/1.5114341> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Evolving narratives of ship wake science and management

Soomere, Tarmo; Parnell, Kevin Ellis The 1st ShipWave International Workshop on Ship-induced Hydrodynamic Loads in Shallow Confined Coastal Waterways Hamburg, Germany, 22 to 24 March 2023 : Book of Abstracts 2023 / p. 2-3
<https://doi.org/10.18451/shipwave.2023>

Exact travelling wave solutions in strongly inhomogeneous media

Didenkulova, Irina; Pelinovsky, Efim; Soomere, Tarmo Estonian journal of engineering 2008 / 3, p. 220-231 : ill
https://artiklid.elnet.ee/record=b1022376*est

Experiences with steady-state PMU compliance testing using standard relay testing equipment

Almas, Muhammad Shoaib; Kilter, Jako; Vanfretti, Luigi PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 103-110 : ill

Experimental determination of elastic constants of an orthotropic composite plate by using Lamb waves

Lasn, Kaspar; Klauson, Aleksander; Chati, Farid; Decultot, Dominique Mechanics of composite materials 2011 / p. 435-446 : ill

Experimental determination of sound transmission in turbo-compressors : SAE Tech. paper no.2009-01-2045

Rämmal, Hans; Abom, Mats SAE Technical Papers 2009 / [7] p <https://www.diva-portal.org/smash/record.jsf?pid=diva2%3A750030&dswid=-9882>

Extreme wave and water level conditions in the Baltic Sea in January 2005 and their reflection in teaching of coastal engineering

Soomere, Tarmo; Healy, Terry Buiding Resilience : CIB W89 International Conference on Building Education and Research [BEAR 2008] : book of executive summaries 2008 / p. 254-255

Extreme wave and water level conditions in the Baltic Sea in January 2005 and their reflection in teaching of coastal engineering

Soomere, Tarmo; Healy, Terry Buiding Resilience : CIB W89 International Conference on Building Education and Research [BEAR 2008] : conference proceedings 2008 / p. 1397-1407

Extreme waves and low sea level during the storm in the Gulf of Bothnia, Baltic Sea

Raudsepp, Urmas; Männik, Aarne; Maljutenko, Ilja; Lagemaa, Priidik; Rikka, Sander; Alari, Victor; Uiboupin, Rivo Journal of operational oceanography 2021 / p. s162-s173 : ill., map <https://doi.org/10.1080/1755876X.2021.1946240>

Far-field vessel wakes in Tallinn Bay

Parnell, Kevin Ellis; Delpeche, Nicole; Didenkulova, Irina; Dolphin, Tony; Erm, Ants; Kask, Andres; Kelpšaitė, Loreta; Kurennoy, Dmitry; Quak, Ewald; Räämet, Andrus; Soomere, Tarmo; Terentjeva, Anna; Torsvik, Tomas; Zaitseva-Pärnaste, Inga Estonian journal of engineering 2008 / 4, p. 273-302 : ill

Field experiments with different fractions of painted sediments to study material transport in three coastal sites in Estonia

Tõnisson, Hannes; Eelsalu, Maris; Pindsoo, Katri Journal of coastal research 2014 / p. 229-234 : ill <https://doi.org/10.2112/SI70-039.1>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Flexural wave propagation phenomena in a submerged cylindrical shell

Metsaveer, Jaan; Klauson, Aleksander Proceedings of the 15th International Congress on Acoustics, Trondheim, Norway, 26-30 June 1995 : ICA 95. Vol. 1 1995 / p. 137-140: ill

Flow, waves and water exchange in the Suur Strait, the Gulf of Riga in 2008

Raudsepp, Urmas; Laanemets, Jaan; Haran, Getli; Alari, Victor; Pavelson, Juss; Kõuts, Tarmo Oceanologia 2011 / p. 35-56 : ill

Foreword

Salupere, Andrus; Maugin, Gerard A. Proceedings of the Estonian Academy of Sciences 2015 / p. 201-202 ; Vol. 64, 3S, p. 323-324

Frequency-dependent attenuation and phase velocity dispersion of an acoustic wave propagating in the media with damages

Stulov, Anatoli; Erofeev, Vladimir Generalized continua as models for classical and advanced materials 2016 / p. 413-423
https://doi.org/10.1007/978-3-319-31721-2_19 [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Füüsika kursuse kontrollküsimused

Maasik, Voldemar 1972 https://www.ester.ee/record=b1315286*est

Gravity currents in rotating, topographically-controlled channels

Cuthbertson, Alan; Davies, Peter A.; Chafik, Leon; Lundberg, Peter; Laanearu, Janek; Wahlin, Anna Proceedings of 3rd International Symposium on Shallow Flows (ISSF) : June 4-6, 2012, Iowa City, IA, USA 2012 / p. 146-155 : ill
https://www.researchgate.net/publication/283791457_Gravity_Currents_in_Rotating_Topographically-controlled_Channels

Haar wavelet method for vibration analysis of nanobeams

Kirs, Maarjus; Mikola, Madis; Haavajõe, Anti; Õunapuu, Erko; Shvartsman, Boris; **Majak, Jüri** Waves, wavelets and fractals : advanced analysis 2016 / p. 20-28 : ill <https://doi.org/10.1515/wwfaa-2016-0003>

Helilained, mis kohtudes tervitavad teineteist. Mittelineaarne kellahelin

Braunbrück, Andres Keeruka maailma võlu 2015 / lk. 46-48 : ill https://www.ester.ee/record=b4488344*est

High-resolution wave model for coastal management and engineering in the eastern Baltic Sea

Giudici, Andrea; Männikus, Rain; Najafzadeh, Fatemeh; Jankowski, Mikolaj Zbigniew; Soomere, Tarmo; Suursaar, Ülo 4th Baltic Earth Conference Assessing the Baltic Sea Earth System : Jastarnia, Hel Peninsula, Poland, 30 May to 3 June 2022 : conference proceedings 2022 / p. 150-151 : ill
https://baltic.earth/imperia/md/assets/baltic_earth/baltic_earth/4bec_proceedings_web.pdf

Highlights in the research into complexity of nonlinear waves

Engelbrecht, Jüri; Berezovski, Arkadi; Soomere, Tarmo Proceedings of the Estonian Academy of Sciences 2010 / p. 61-65
<https://doi.org/10.3176/proc.2010.2.01>

Identification of properties of microstructured materials by means of Gaussian wave packets and solitary waves

Janno, Jaan; Engelbrecht, Jüri 5th International Conference on Optimal Research "Simulation and Optimization in Business and Industry" : May 17-20, 2006, Tallinn, Estonia : programme and abstracts 2006 / p. 1

Identification of ship wake structures by a time–frequency method

Torsvik, Tomas; Soomere, Tarmo; Didenkulova, Irina; Sheremet, Alex Journal of fluid mechanics 2015 / p. 229-251 : ill
<https://doi.org/10.1017/jfm.2014.734> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Impact of changes in sea ice cover on the wave climate of semi-enclosed, seasonally ice-covered water bodies at temperate latitudes: a case study in the Gulf of Riga

Najafzadeh, Fatemeh; Soomere, Tarmo Estonian journal of earth sciences 2024 / p. 26-36 <https://doi.org/10.3176/earth.2024.03>

Implications of fast ferry wakes for semi-sheltered beaches

Soomere, Tarmo; Didenkulova, Irina; Parnell, Kevin Ellis BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 134

Improved PWM-based sinewave generation : example of the impedance measurement

Abdullayev, Anar; Annus, Paul; Krivošei, Andrei; Metshein, Margus; Märten, Olev; Rist, Marek Automatic control and computer sciences 2023 / p. 449-458 <https://doi.org/10.3103/S0146411623050024> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

In situ coastal observations of wave homogeneity and coherence

Christakos, Konstantinos; Gao, Zhen; Furevik, Birgitte R.; Björkqvist, Jan-Victor; Aarnes, Ole Johan Applied ocean research 2022 / art. 103390 <https://doi.org/10.1016/j.apor.2022.103390> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Influence of the internal solder layer and of A-wave on acoustic scattering from finite cylindrical shells with hemispherical endcaps

Touraine, Nicolas; Chiumia, Jeremiah; Barriere, C.; Decultot, Dominique; Klauson, Aleksander; Metsaveer, Jaan; Maze, Gerard Proceedings of Fourth European Conference on Underwater Acoustics, Rome, 1998 1998 / p. 897-902

Instead of introduction

Berezovski, Arkadi; Ván, Peter Internal variables in thermoelasticity 2017 / p. 1-18 https://doi.org/10.1007/978-3-319-56934-5_1 Article collection metrics at Scopus Article at Scopus Article at WOS

Interaction of plankton with wave fields in the sea

Didenkulov, Igor; Didenkulova, Irina; Muyakshin, Sergey; Selivanovsky, Dmitry BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 186

Interannual and interseasonal variability of the Persian Gulf surface wave energy in the recent decade

Eshghi, Nasrin; Barzandeh, Amirhossein; Salimi, Fouad Marine systems and ocean technology 2024 <https://doi.org/10.1007/s40868-024-00139-8>

Interfacial long traveling waves in a two-layer fluid with variable depth

Pelinovsky, Efim; Talipova, Tatyana; Didenkulova, Irina; Didenkulova, Ekaterina Studies in applied mathematics 2019 / p. 513-527
<https://doi.org/10.1111/sapm.12235> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Internal waves and interfacial mixing in stratified environments

Delpeche, Nicole; Soomere, Tarmo BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 120

International Conference on Complexity of Nonlinear Waves : October 5-7, 2009 : book of abstracts

2009 http://www.ester.ee/record=b2520738*est

Inverse problems for microstructured materials

Janno, Jaan 4th International Conference Inverse Problems : Modelling and Simulation : Fethiye, 26-30.05.2008 : abstracts 2008 / p. 85

Investigation of turbulence in a plunging breaking wave

Liiv, Toomas Proceedings of the Estonian Academy of Sciences. Engineering 2001 / 1, p. 58-78

Isotroopse plaadi Lambi lainete teoreetiline ja eksperimentaalne uurimine

Tiismus, Hans TTÜ üliõpilaste teadustööde konkursi kokkuvõtted : Tipika teaduskonverents, 24. november 2011, Tallinn 2011 / lk. 7

Joint influence of river stream, water level and wind waves on the height of sand bar in a river mouth

Laanearu, Janek; Koppel, Tiit; Soomere, Tarmo; Davies, Peter A. Nordic hydrology 2007 / 3, p. 287-302
<https://iwaponline.com/hr/article/38/3/287/688/Joint-influence-of-river-stream-water-level-and>

Keskkonnaagentuur alustas Peipsi järvel laineinfo mõõtmist ja edastamist [Võrguväljaanne]

lounaeestlane.ee 2022 [Keskonnaagentuur alustas Peipsi järvel laineinfo mõõtmist ja edastamist](#)

Keskonnaagentuur edastab esmaspäevast Peipsi järve laineinfot

Võrumaa Teataja 2022 / Lk. 2 <https://dea.digar.ee/article/vorumaateataja/2022/07/07/5.5>

Kiirlaevad tekitavad tapvaid laineid : [TTÜ professor Tarmo Soomere teemakohane vestlus]

Soomere, Tarmo; Jõgeda, Tiina Eesti Ekspress 2010 / 20. mai, lk. 6

Kiirlaevalained räsivad rannanõlva

Soomere, Tarmo Eesti Loodus 2006 / 12, lk. 18-23 : ill https://artiklid.elnet.ee/record=b2364678*est

Kinematic parameters of internal waves of the second mode in the South China Sea

Kurkina, Oxana; Talipova, Tatyana; **Soomere, Tarmo**; Giniyatullin, Ayrat; Kurkin, Andrey Nonlinear processes in geophysics 2017 / p. 645-660 : ill <https://doi.org/10.5194/npg-24-645-2017> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Kuidas mõõta randade tervist

Soomere, Tarmo Loodusesõber 2011 / 2, lk. 22-26 : ill

Kuidas uurida kivistunud tormide ajalugu : [TTÜ professor akadeemik Tarmo Soomere räägib kivistunud lainete uurimisest]

Kello, Karl; **Soomere, Tarmo** Õpetajate Leht 2012 / lk. 12 https://artiklid.elnet.ee/record=b2545879*est

Käsmu sadamaplaan laineuurija pilgu läbi : [küsimustele vastab Tarmo Soomere]

Soomere, Tarmo Navigaator 2018 / lk. 28-29 : ill https://www.ester.ee/record=b2091994*est

Laboratory study of peculiarities of the freak-wave generation

Rodin, Artem; Tyugin, Dmitry; Kurkin, Andrey; Kurkina, Oxana; **Didenkulova, Irina** Geophysical research abstracts 2017 / p. EGU2017-1845-3

Laboratory study of the breaking wave characteristics

Liiv, Toomas; Liiv, Uno XXVIII IAHR Congress : 22-27 August, Graz : proceedings [CD-ROM] 1999 / [6] p

Laevad meie merel : õnnistus või õnnetus

Soomere, Tarmo Eesti Loodus 2006 / 6, lk. 6-11 : ill <http://www.eestiloodus.ee/index.php?artikkel=1510>

Lained lammutavad randu, kuid suurt veeuputust veel karta pole [Võrguteavik]

Liiviste, Priit pealinn.ee 2021 ["Lained lammutavad randu, kuid suurt veeuputust veel karta pole."](#)

Lained tahkistes. Lainevõrrand. Materjalide sisestruktuur. Hierarhiline lainevõrrand

Engelbrecht, Jüri Keeruka maailma võlu 2015 / lk. 17-21 : ill https://www.ester.ee/record=b4488344*est

Lained vaatavad materjali sisse. Otsene ülesanne ja pöördülesanne. Solitonid luurajateks. Ultraheli. Kohtuvad lained

Engelbrecht, Jüri; Janno, Jaan Keeruka maailma võlu 2015 / lk. 45-46 https://www.ester.ee/record=b4488344*est

LainePoiss – suuruselt väike, mõjult suur

Vaaks, Eveliis Trialoog <https://trialoog.taltech.ee/lainepoiss-suuruselt-vaike-mojult-suur/>

LainePoiss® - a lightweight and ice-resistant wave buoy

Alari, Victor; Björkqvist, Jan-Victor; Kaldvee, Valdur; Mölder, Kristjan; **Rikka, Sander**; Kask-Korb, Anne; **Vahter, Kaimo**; **Pärt, Siim**; **Vidjajev, Nikon**; Tõnisson, Hannes Journal of atmospheric and oceanic technology 2022 / p. 573–594 : ill

<https://doi.org/10.1175/JTECH-D-21-0091.1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Lainepõhised ohud rannavööndis

Didenkulova, Irina Teadusmõtte Eestis (VII). Meri. Järved. Rannik : [artiklikogumik] 2011 / lk. 103-115 : ill

Lainetav Läänemeri Eesti teadlaste pilgu läbi

Soomere, Tarmo Teadusmõtte Eestis. 4, Tehnikateadused. 2 2007 / lk. 133-142 : ill

Lainetuse energia potentsiaal Eesti territoriaalmeres

Alari, Victor TalveAkadeemia 2011 : teaduslikud lühiaartiklid 2011. Kogumik 9 2011 / lk. 8-14 : ill

Lessons in wave theory from the Indian Ocean Tsunami of Millennium and from the Baltic Sea Storm Surge of Century

Soomere, Tarmo Journal of structural mechanics = Rakenteiden mekaniikka 2005 / 3, p. 31

Linking wave loads with the intensity of erosion along the coast of Latvia

Soomere, Tarmo; Viška, Maija; Lapinskis, Janis; **Räamet, Andrus** Estonian journal of engineering 2011 / p. 359-374 : ill

Long ship waves in shallow water bodies

Soomere, Tarmo Applied wave mathematics : selected topics in solids, fluids, and mathematical methods 2009 / p. 193-228 : ill

Long wave dynamics in the coastal zone = Pikkade lainete dünaamika rannavööndis

Didenkulova, Irina 2008 <https://digi.lib.ttu.ee/i/?230> https://www.ester.ee/record=b2394485*est

Long wave generation and coastal amplification due to propagating atmospheric pressure disturbances

Dogan, Gozde Guney; Pelinovsky, Efim; Zaytsev, Andrey; Metin, Ayse Duha; Ozyurt Tarakcioglu, Gulizar; Yalciner, Ahmet Cevdet; Yalciner, Bora; **Didenkulova, Ira** Natural hazards 2021 / p. 1195-1221 : ill <https://doi.org/10.1007/s11069-021-04625-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Long-term changes of waves at the German Baltic Sea coast: Are there trends from the past?

Dreier, Norman; **Männikus, Rain**; Fröhle, Peter Journal of coastal research 2020 / p. 1416-141621 <https://doi.org/10.2112/SI95-274.1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Lääne-Eestit võib täna öösel tabada viimase aja rängim torm : [TTÜ teadlaste Tarmo Soomere ja Tarmo Kõutsi prognoosidest]

Naaber, Grete; Rooväli, Küllike; **Soomere, Tarmo**; **Kõuts, Tarmo** Postimees 2008 / 18. jaan., lk. 9 <https://ilimajaam.postimees.ee/1749049/laane-estit-voib-tana-ooisel-tabada-viimase-aja-rangim-torm>

Läänemere lainekliima Eesti ranniku kontekstis

Soomere, Tarmo Teadusmõte Eestis (VII). Meri. Järved. Rannik : [artiklikogumik] 2011 / lk. 69-82 : ill

Läänemere rahutute rannikute põnevad saladused

Soomere, Tarmo Teadusmõte Eestis (X). Tehnikateadused. 3 : [artiklikogumik] 2019 / lk. 177-189 : ill., fot https://www.ester.ee/record=b5208765*est

Magnetic current sensor stray components in high frequency operation and their effects

Kütt, Lauri; **Järvik, Jaan**; **Mölder, Heigo**; **Kilter, Jako**; Shafiq, Muhammad Conference proceedings : 2012 11th International Conference on Environment and Electrical Engineering : Venice, Italy, 18-25 May 2012 2012 / p. 617-620 : ill <https://ieeexplore.ieee.org/abstract/document/6221451>

Measurement of the variation of shear velocity on bed during a wave cycle

Oldekop, Nelly; **Liiv, Toomas** journal of earth science and engineering 2013 / p. 322-330 : ill

Mechanical waves in myelinated axons

Tamm, Kert; **Peets, Tanel**; **Engelbrecht, Jüri** Biomechanics and modeling in mechanobiology 2022 / p. 1285-1297 <https://doi.org/10.1007/s10237-022-01591-4> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mereilimateade muutub täpsemaks : Tehnikaülikooli teadlaste uus mudel prognoosib Läänemere lainekõrgust ja -suunda

digi.geenius.ee 2022 [Mereilimateade muutub täpsemaks : Tehnikaülikooli teadlaste uus mudel prognoosib Läänemere lainekõrgust ja -suunda](#)

Merelt lähtuvate ohtude kvantifitseerimine ja minimeerimine Läänemere ranniku kontekstis : kommentaar Eesti Vabariigi teaduse aastapreemia pälvinud tööde tsüklile

Soomere, Tarmo Tallinna Tehnikaülikooli aastaraamat 2013 2014 / lk. 170-190 : ill

Microstructured materials : inverse problems

Janno, Jaan; **Engelbrecht, Jüri** 2011 https://www.ester.ee/record=b2720026*est

Modeling the effect of anisotropy in ultrasonic-guided wave tomography

Ratassepp, Madis; Rao, Jing; Yu, Xudong; Fan, Zheng IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control 2022 / p. 330-339 : ill <https://doi.org/10.1109/TUFFC.2021.3114432> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modelling of internal waves in the Baltic Sea

Kurkin, Andrey; Pelinovsky, Efim; Talipova, Tatyana; **Soomere, Tarmo** Фундаментальная и прикладная гидрофизика 2018 / p. 8-20 <https://doi.org/10.7868/S2073667318020016> [Journal metrics at Scopus](#) [Article at Scopus](#)

Modification of closure depths by synchronisation of severe seas and high water levels

Soomere, Tarmo; **Männikus, Rain**; **Pindsoo, Katri**; **Kudryavtseva, Nadezhda**; **Eelsalu, Maris** Geo-marine letters 2017 / p. 35-46 : ill <https://doi.org/10.1007/s00367-016-0471-5> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Modulated microwave effects on EEG alpha-waves

Lass, Jaanus; Tuulik, Viiu; Hinrikus, Hiie Medical & biological engineering & computing 1999 / Suppl. 1, Proceedings of the 11th Nordic-Baltic Conference on Biomedical Engineering, June 6-10, 1999, Tallinn, Estonia, p. 105-108: ill

More room at the top : How small buoys help reveal the detailed dynamics of the air–sea interface

Cavaleri, Luigi; **Alari, Victor**; Benetazzo, Alvise; Björkqvist, Jan-Victor; Breivik, Øyvind; **Davis, Jacob**; Hope, Gaute; Kleven, Atle; **Leirvik, Frode**; Nordam, Tor; **Rikka, Sander** Bulletin of the American Meteorological Society 2025 / p. E1063-E1076
<https://doi.org/10.1175/BAMS-D-24-0120.1>

Multi-scale analysis of wave conditions and coastal changes in the north-eastern Baltic Sea

Suursaar, Ülo; **Alari, Victor**; Tõnisson, Hannes Journal of coastal research 2014 / p. 223-228 : ill <https://doi.org/10.2112/SI70-038.1>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Multi-scale wind wave modeling in the Baltic Sea = Mitmemastaapne tuulelainete modelleerimine Läänemeres

Alari, Victor 2013 http://www.ester.ee/record=b2995944*est

Nature de l'onde d'interface de Scholte sur une coque cylindrique

Maze, Gerard; Leon, Fernand; Ripoche, Jean; **Klauson, Aleksander; Metsaveer, Jaan**; Überall, H. Acustica 1995 / p. 201-213: ill

Negative group velocity in solids

Tamm, Kert; Peets, Tanel; Engelbrecht, Jüri; Kartofelev, Dmitri Wave motion 2017 / p. 127-138 : ill
<https://doi.org/10.1016/j.wavemoti.2016.04.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nonlinear counter-propagating waves in inhomogeneous materials

Ravasoo, Arvi International Conference on Complexity of Nonlinear Waves : October 5-7, 2009 : book of abstracts 2009 / p. 31

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>

Nonlinear deformation and run-up of single tsunami waves of positive polarity : numerical simulations and analytical predictions

Abdalazeez, Ahmed; Didenkulova, Irina; Dutykh, Denys Natural hazards and earth system sciences 2019 / p. 2905–2913 : ill
<https://doi.org/10.5194/nhess-19-2905-2019> <https://nhess.copernicus.org/articles/19/2905/2019/> [Journal metrics at Scopus](#) [Article at Scopus](#)
[Journal metrics at WOS](#) [Article at WOS](#)

Nonlinear interaction of large-amplitude unidirectional waves in shallow water

Didenkulova, Irina; Pelinovsky, Efim; **Rodin, Artem** Estonian journal of engineering 2011 / p. 289-300 : ill

Nonlinear propagation and reflection of ultrasound - combining the numerical and analytical approach

Braunbrück, Andres; Ravasoo, Arvi 28th Nordic Seminar on Computational Mechanics, 22-23 October, Tallinn, 2015 : proceedings of the NSCM28 2015 / p. 39-42 : ill

Nonlinear two-dimensional longitudinal and shear waves in solids

Peipman, Tõnu; Valdek, Urmas; Engelbrecht, Jüri Acustica 1992 / p. 84-94

Nonlinear wave motion : complexity and simplicity revisited

Engelbrecht, Jüri; Salupere, Andrus; Peterson, Pearu Abstracts of IUTAM/IFTToMM Symposium on Synthesis of Nonlinear Dynamical Systems, Riga, Latvia, 24-28 Aug. 1998 1998 / p. 3-4 https://link.springer.com/chapter/10.1007/978-94-011-4229-8_3

Nonlinear wave motion and complexity

Engelbrecht, Jüri Proceedings of the Estonian Academy of Sciences 2010 / p. 66-71 <https://doi.org/10.3176/proc.2010.2.02>

Nonlinear wave phenomena and nonlocality

Engelbrecht, Jüri; Braun, Manfred Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 1997 / 1/2, p. 41-47

Nonlinear wave propagation and reflection - comparing the numerics with the analytics

Braunbrück, Andres; Ravasoo, Arvi Wave motion 2016 / p. 108-120 : ill <https://doi.org/10.1016/j.wavemoti.2015.08.006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nonlinear waves : examples of complexity

Engelbrecht, Jüri International Conference on Complexity of Nonlinear Waves : October 5-7, 2009 : book of abstracts 2009 / p. 15

Nonlinear waves in a layer with energy influx

Engelbrecht, Jüri; Peipman, Tõnu Wave motion 1992 / 16, p. 173-181

Nonlinear waves in solids and inverse problems

Engelbrecht, Jüri; Ravasoo, Arvi; **Salupere, Andrus** Abstract Book, IUTAM Symposium on Computational Mechanics of Solid Materials at Large Strains : August 20-24, 2001, Stuttgart, Germany 2001 / p. ?

Non-two-port characteristic model of balanced transmission line

Kängsep, Eiko Tallinna Tehnikaülikooli Toimetised 1990 / lk. 3-9: ill

Numerical models in the design of Saaremaa deep harbour

Liiv, Toomas XXX IAHR Congress : August 2003, AUTH, Thessaloniki, Greece. Theme A, Coastal Environment : Processes and Integrated Management 2003 / p. 147-154 : ill

Numerical simulation of interaction of solitary deformation waves in microstructured solids

Salupere, Andrus; **Tamm, Kert**; **Engelbrecht, Jüri** International journal of non-linear mechanics 2008 / 3, p. 201-208 : ill
<https://www.sciencedirect.com/science/article/pii/S0020746207002338>

Numerical simulation of mechanical waves in biomembranes

Tamm, Kert; **Peets, Tanel** 28th Nordic Seminar on Computational Mechanics, 22-23 October, Tallinn, 2015 : proceedings of the NSCM28 2015 / p. 179-182 : ill

Numerical simulation of propagation of solitary deformation waves in a compressible hyperelastic rod

Vallikivi, Margit; **Salupere, Andrus**; Dai, Hui-Hui Mathematics and computers in simulation 2012 / p. 1348-1362 : ill
<https://www.sciencedirect.com/science/article/pii/S0378475411001790>

Numerical simulation of the propagation of ship-induced Riemann waves of depression into the Venice Lagoon

Rodin, Artem; **Soomere, Tarmo**; **Parnell, Kevin Ellis**; Zaggia, Luca Proceedings of the Estonian Academy of Sciences 2015 / p. 22-35 : ill https://artiklid.elnet.ee/record=b2717480*est <https://doi.org/10.3176/proc.2015.1.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Numerical simulation of waves and fronts in structured materials : a thermodynamic approach

Berezovski, Arkadi; **Engelbrecht, Jüri**; Maugin, Gerard Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 2003 / 1, p. 30-42 : ill https://artiklid.elnet.ee/record=b1011964*est

Numerical simulations of wave climate in the Baltic Sea: a review

Soomere, Tarmo Oceanologia 2023 / p. 117-140 <https://doi.org/10.1016/j.oceano.2022.01.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Numerical solution of stiff ODEs using non-uniform Haar wavelets

Aziz, Imran; Yasmeen, Shumaila; **Tsukrejev, Pavel** International Conference of Numerical Analysis and Applied Mathematics, ICNAAM 2018 : 13-18 September 2018, Rhodes, Greece 2019 / art. 330008 <https://doi.org/10.1063/1.5114346> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Numerical study for run-up of breaking waves of different polarities on a sloping beach

Rodin, Artem; **Didenkulova, Irina**; Pelinovsky, Efim Extreme ocean waves. 2nd ed 2016 / p. 155-172 https://doi.org/10.1007/978-3-319-21575-4_9

Numerical study of propagation ship-induced wave troughs in Venice Lagoon

Parnell, Kevin Ellis; **Soomere, Tarmo**; Zaggia, Luca; **Rodin, Artem** 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. 207
http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Nutipoi heidab valgust jää ja lainete ringmängule

novaator.err.ee 2024 [Nutipoi heidab valgust jää ja lainete ringmängule](#)

Nähtav transport ja nähtamatud tökked Läänemere idarannikul

Soomere, Tarmo Meri 2016 / lk. 15-23 https://artiklid.elnet.ee/record=b2818112*est

On accuracy of the Haar wavelet method

Majak, Jüri; Shvartsman, Boris; **Pohlak, Meelis**; **Eerme, Martin**; **Kirs, Maarjuss** Mathematical modelling and analysis 2016 : abstracts 2016 / p. 50 http://www.ester.ee/record=b4573512*est

On coastal waves and related upwellings in the Narva Bay

Laanearu, Janek Coastal Engineering VI : Computer Modelling and Experimental Measurements of Seas and Coastal Regions : [papers of international conference] 2003 / p. 53-61 : ill

On long-term variations of wave conditions in the northern Baltic Sea

Zaitseva, Inga; Soomere, Tarmo US/EU-Baltic International Symposium : Ocean observations, ecosystem-based management & forecasting : May 27-29, 2008, Tallinn, Estonia : book of abstracts 2008 / p. 169-170

On periodic waves governed by the extended Korteweg-de Vries equation

Braun, Manfred; **Randrüüt, Merle** Proceedings of the Estonian Academy of Sciences 2010 / 2, p. 133-138 : ill
https://artiklid.elnet.ee/record=b2160578*est

On periodic waves governed by the extended Korteweg-deVries equation

Braun, Manfred; **Randrüüt, Merle** International Conference on Complexity of Nonlinear Waves : October 5-7, 2009 : book of abstracts 2009 / p. 10

On propagation of 1D solitary waves in Mindlin-type microstructured solids

Tamm, Kert; Salupere, Andrus Book of abstracts : The Sixth IMACS International Conference on Nonlinear Evolution Equations and Wave Phenomena : Computation and Theory : Athens, Georgia, March 23-26, 2009 2009 / p. 86
<https://www.sciencedirect.com/science/article/pii/S0378475410002260>

On shallow water rogue wave formation in strongly inhomogeneous channels

Didenkulova, Irina; Pelinovsky, Efim Journal of physics A : mathematical and theoretical 2016 / art. 194001, p. 1-11 : ill
<https://doi.org/10.1088/1751-8113/49/19/194001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On solitary waves and solitons in hierarchical systems

Salupere, Andrus; Engelbrecht, Jüri; Ilison, Lauri; Tamm, K. The Forth International Conference on Nonlinear Evolution Equations and Wave Phenomena : Computation and Theory : Athens, Georgia, April 10-14, 2005 : book of abstracts 2005 / p. 158

On solitary waves and solitons in microstructured media

Salupere, Andrus; Engelbrecht, Jüri; Ilison, Olari; Ilison, Lauri IMA International Conference, Recent Advances in Nonlinear Mechanics : 30 Aug. - 1 Sept. 2005, Aberdeen, Scotland, University of Aberdeen : book of abstracts 2005 / p. 144

On solitary waves in case of amplitude-dependent nonlinearity

Tamm, Kert; Peets, Tanel Chaos, solitons & fractals 2015 / p. 108-114 : ill <https://doi.org/10.1016/j.chaos.2015.01.013> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the Kudryashov–Sinelshchikov equation for waves in bubbly liquids

Randrüüt, Merle Physics letters A 2011 / p. 3687-3692 : ill

On the numerical determination of solitary waves for systems with quartic potential and higher order dispersion

Salupere, Andrus; Ilison, Olari Proceedings of the NSCM-11 : Nordic Seminar on Computational Mechanics, October 16-17, Royal Institute of Technology, Department of Structural Engineering 1998 / p. 106-109

On the occurrence of non-reflecting cross-shore profiles along Estonian coasts of the Baltic Sea

Didenkulova, Irina; Soomere, Tarmo; Pindsoo, Katri; Suuroja, Sten Estonian journal of engineering 2013 / p. 110-123 : ill
https://artiklid.elnet.ee/record=b2621591*est <https://doi.org/10.3176/eng.2013.2.02> [Article at Scopus](#)

On the propagation of solitary pulses in microstructured materials

Ilison, Olari; Salupere, Andrus Chaos, solitons & fractals 2006 / 1, p. 202-214 : ill
<https://ui.adsabs.harvard.edu/abs/2006CSF....29..202I/abstract>

On the propagation of solitary waves in microstructured solids

Ilison, Olari; Salupere, Andrus 21st International Congress of Theoretical and Applied Mechanics : August 15-21, 2004, Warsaw, Poland : ICTAM04 : abstracts and CD-ROM proceedings 2004 / p. 275

On the propagation of solitary waves in Mindlin-type microstructured solids

Tamm, Kert; Salupere, Andrus Proceedings of the Estonian Academy of Sciences 2010 / 2, p. 118-125 : ill

On the validation of SWAN, a third generation spectral wave model, in Estonian coastal waters

Alari, Victor; Raudsepp, Urmas; Kõuts, Tarmo; Vahter, Kaimo BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 183

On the wave dispersion in microstructured solids

Berezovski, Arkadi; Yildizdag, M. Erden; Scerrato, Daria Continuum mechanics and thermodynamics 2020 / p. 569-588
<https://doi.org/10.1007/s00161-018-0683-1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the wave energy potential along the eastern Baltic Sea coast

Soomere, Tarmo; Eelsalu, Maris Renewable energy 2014 / p. 221-233 : ill <https://doi.org/10.1016/j.renene.2014.05.025> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Optimising full waveform inversion with inhomogeneous transducers: Parameters and considerations for successful implementation

Rasgado Moreno, Carlos Omar; Xu, Panpan; **Rist, Marek**; **Ratassepp, Madis** NDT & E International

2025 / art. 103265 <https://doi.org/10.1016/j.ndteint.2024.103265>

Ordered definitions in the theory of nonlinear waves

Engelbrecht, Jüri Eesti Teaduste Akadeemia Toimetised. Füüsika. Matemaatika 1990 / 3, lk. 252-257: ill

Overview of CMEMS BAL MFC service and developments [Online resource]

Tuomi, Laura; She, Jun; Lorkowski, I.; Axell, L.; **Lagemaa, Priidik**; Schwichtenberg, F.; Huess, V. Operational oceanography serving sustainable marine development : Proceedings of the Eighth EuroGOOS International Conference, 3-5 October 2017, Bergen, Norway 2018 / p. 261-267 : ill <http://eurogoos.eu/download/publications/EuroGOOS-2017-Conference-Proceedings.pdf>

Periodic and solitary waves in microstructured solids and related inverse problems

Janno, Jaan; **Sertakov, Ivan** 17th International conference on "Mathematical Modelling and Analysis" : June 6-9, 2012, Tallinn, Estonia : abstracts 2012 / p. 57

Periodically forced solitonic structures in dispersive media

Salupere, Andrus; Kukk, Martti Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 2003 / 1, p. 145-156 : ill https://artiklid.elnet.ee/record=b1011991*est

Profiles of waves from high-speed ferries in the coastal area of Tallinn Bay

Soomere, Tarmo; **Pöder, Reio**; **Rannat, Kalev**; **Kask, Andres** Proceedings of the Estonian Academy of Sciences. Engineering 2005 / 3, p. 245-260 : ill

Projected changes in wave conditions in the Baltic Sea by the end of 21st century and the corresponding shoreline changes

Suursaar, Ülo; Tõnisson, Hannes; **Alari, Victor**; **Raudsepp, Urmas**; Rästas, Henri; Anderson, Agnes Journal of coastal research 2016 / p. 1012-1016 <https://doi.org/10.2112/SI75-203.1> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

Propagation of sech2-type solitary waves in hierarchical KdV-type systems

Ilison, Lauri; **Salupere, Andrus** Mathematics and computers in simulation 2009 / 11, p. 3314-3327 : ill <https://www.sciencedirect.com/science/article/pii/S0378475409001293>

Propagation of sech2-type solitary waves in higher-order KdV-type systems

Ilison, Olari; **Salupere, Andrus** Chaos, solitons & fractals 2005 / p. 453-465 : ill

Propagation of solitary waves in microstructured media

Salupere, Andrus; **Engelbrecht, Jüri**; **Ilison, Olari**; **Ilison, Lauri** Finno-Ugric International Conference of Mechanics : 29 May - 4 June, 2005, Ráckeve, Hungary 2005 / ? p

Propagation regimes and populations of internal waves in the Mediterranean Sea basin

Kurkina, Oxana; Rouvinskaya, Ekaterina; Talipova, Tatyana; **Soomere, Tarmo** Estuarine, coastal and shelf science 2017 / p. 44-54 : ill <https://doi.org/10.1016/j.ecss.2016.12.003> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Quantification of the reaction of Estonian beaches to changing wave loads = Eesti rannikute reaktsioon muutuvatele lainekoormustele

Eelsalu, Maris 2020 https://www.ester.ee/record=b5368081*est <https://digikogu.taltech.ee/et/Item/f73e001a-2f7c-4832-a4b0-ea10a4894ab6>

Radar remote sensing of meteo-marine parameters in the Baltic Sea = Laine- ja tuuleväljade määramine Läänemeres radarkaugseire andmetest

Rikka, Sander 2019 <https://digi.lib.ttu.ee/i/?12168>

Radarkaugseire kasutamine Läänemere lainetuse ja tuuleväljade määramiseks

Rikka, Sander; **Uiboupin, Rivo**; Pleskachevsky, Andrey; **Alari, Victor**; Jacobsen, Sven; **Kõuts, Tarmo** Kaugseire Eestis 2018 : artiklikogumik 2018 / lk. 32-40 : ill https://kosmos.ut.ee/sites/default/files/kosmos/kaugseire_eestis_2018.pdf

Rannad tahavad vabalt hingata

Soomere, Tarmo Akadeemilisi arutlusi : ilmast ja inimestest 2022 / lk. 122-124 https://www.ester.ee/record=b5521198*est <https://dea.digar.ee/article/postimees/2021/12/14/13.4>

Rannad tahavad vabalt hingata

Soomere, Tarmo; **Parnell, Kevin Ellis** Postimees 2021 / Lk. 15 <https://dea.digar.ee/article/postimees/2021/12/14/13.4>

Reconstruction of coefficients of higher order nonlinear wave equations by measuring solitary waves

Janno, Jaan; Šeletski, Anna Wave motion 2015 / p. 15-25 : ill <https://doi.org/10.1016/j.wavemoti.2014.08.005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Reconstruction of coefficients of higher order nonlinear wave equations by solitary waves

Janno, Jaan; Šeletski, Anna Mathematical modelling and analysis 2016 : abstracts 2016 / p. 33
http://www.ester.ee/record=b4573512*est

Reflectionless surface wave dynamics in channels of variable depth and width [Online resource]

Pelinovsky, Efim; Talipova, Tatyana; **Didenkulova, Irina**; Shurgalina, Ekaterina IUTAM Symposium Wind Waves : 4-8 September 2017, London, UK : abstracts 2017 / p. [28] https://www.ucl.ac.uk/math/events/other-events/iutam-symposium-wind-waves/abstracts_final

Remote sensing and modelling of wind waves in semi-enclosed seas = Tuulelainete kaugseire ja modelleerimine poolsuletud merealadel

Najafzadeh, Fatemeh 2022 <https://doi.org/10.23658/taltech.64/2022> <https://digikogu.taltech.ee/et/Item/f00ab062-2512-47e0-91c1-c871163f58d2> https://www.ester.ee/record=b5525225*est

Resonance phenomenon of wave interaction in inhomogeneous solids

Braunbrück, Andres; Ravasoo, Arvi Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 2007 / 2, p. 108-115 : ill

Response of water circulation, temperature and salinity to wind wave effects in the Baltic and North Sea's

Alari, Victor; Staneva, Joanna 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. 62 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

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

Responses of coastal processes to multiple drivers in the Baltic Sea region [Online resource]

Soomere, Tarmo Baltic Earth Workshop on multiple drivers for Earth system changes in the Baltic Sea region : Tallinn University of Technology, Tallinn, Estonia 26-27 November 2018 : [programme, abstracts, participants] 2018 / p. 26 https://www.baltic-earth.eu/publications/IBESPublications/No_14_Workshop_Multiple_Drivers_Tallinn_Nov2018/No.14_Tallinn2018.pdf

Resuspension of sediment in a semi-sheltered bay due to wind waves and fast ferry wakes

Erm, Ants; Alari, Victor; Lips, Inga; Kask, Jüri Boreal environment research 2011 / p. 149-163 : ill
<https://www.borenv.net/BER/archive/pdfs/ber16/ber16A-149.pdf>

Retrieval of directional power spectral density and wave parameters from airborne LiDAR point cloud

Jahanmard, Vahidreza; Varbla, Sander; Delpeche-Ellmann, Nicole Camille; Ellmann, Artu Ocean engineering 2022 / art. 112694 <https://doi.org/10.1016/j.oceaneng.2022.112694> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Return periods of extreme water levels along Lithuanian sea coast based on a simple ensemble of projections

Mingelaite, Toma; Eelsalu, Maris; Pindsoo, Katri; Soomere, Tarmo; Dailidienė, Inga 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. 238 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Ripple marks as indicators of Late Ordovician sedimentary environments in Northwest Estonia

Hints, Linda; Miidel, Avo Estonian journal of Earth sciences 2008 / 1, p. 11-22 : ill

Rogue events in spatiotemporal numerical simulations of unidirectional waves in basins of different depth

Slunyaev, Alexey; Sergeeva, Anna; **Didenkulova, Irina** Natural hazards 2016 / p. S549-S565 : ill <https://doi.org/10.1007/s11069-016-2430-x> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Rogue waves - towards a unifying concept? : discussions and debates

Ruban, Victor; Kodama, Yuji; Ruderman, Michael; **Soomere, Tarmo** The European physical journal. Special topics 2010 / p. 5-15
https://www.ester.ee/record=b2624547*est

Rogue waves in shallow water

Soomere, Tarmo The European physical journal. Special topics 2010 / p. 81-96 : ill https://www.ester.ee/record=b2624547*est

Ruhnusai „Laine poisid“

Meie Maa 2021 / Lk. 3 <https://dea.digar.ee/article/meiemaa/2021/05/10/10.8>

Runup characteristics of symmetrical solitary tsunami waves of "unknown" shapes

Didenkulova, Irina; Pelinovsky, Efim; **Soomere, Tarmo** Pure and applied geophysics 2008 / p. 2249-2264 : ill
<https://link.springer.com/article/10.1007/s00024-008-0425-6>

Runup of long irregular waves on plane beach

Didenkulova, Irina; Pelinovsky, Efim; Sergeeva, Anna Extreme ocean waves. 2nd ed 2016 / p. 141-153 : ill
https://doi.org/10.1007/978-3-319-21575-4_8

Runup of nonlinear asymmetric waves on a plane beach

Didenkulova, Irina; Pelinovsky, Efim; **Soomere, Tarmo;** Zahibo, Narcisse Tsunami and nonlinear waves 2007 / p. 175-190 : ill
https://link.springer.com/chapter/10.1007/978-3-540-71256-5_8

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

Run-up of surface waves on a sea wall built on a convex bottom profile

Didenkulova, Irina; Pelinovsky, Efim; Rodin, Artem Oceanology 2016 / p. 483-490 : ill <https://doi.org/10.1134/S0001437016030036>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Saaremaa deep harbour layout design and computer simulation of the wave climate and sediment transport

Liiv, Toomas; **Liiv, Uno** Proceedings of the Estonian Academy of Sciences. Engineering 2001 / 2, p. 174-192

Saaremaa (Õsel) deep harbour layout design and computer simulation of the wave hindcast and sediment transport problems

Liiv, Toomas; **Liiv, Uno** "Environmental Impact and Water Management in a Catchment Area Perspective" : 24-26 September, 2001, Tallinn, Estonia : proceedings of the Symposium dedicated to the 40th Anniversary of Institute of Environmental Engineering at Tallinn Technical University 2001 / p. 247-249

Scalar wave equation in a weak static gravitational field

Mankin, Romi; Piir, Ivar Eesti NSV Teaduste Akadeemia toimetised. Füüsika. Matemaatika = Известия Академии наук Эстонской ССР. Физика. Математика = Proceedings of Academy of Sciences of the Estonian SSR. Physics. Mathematics 1983 / lk. 157-164
https://www.eester.ee/record=b1264310*est

Scattering of the fundamental torsional mode at an axial crack in a pipe

Ratassepp, Madis; Fletcher, Sam; Lowe, Michael John Stewart The journal of the Acoustical Society of America 2010 / 2, p. 730-740 : ill <https://pubs.aip.org/asa/jasa/article/127/2/730/917913/Scattering-of-the-fundamental-torsional-mode-at-an>

Seasonal and long-term variations of wave conditions in Estonian coastal waters

Zaitseva, Inga; **Suursaar, Ülo;** **Soomere, Tarmo** BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 148

Shallow water rogue wave formation in inhomogeneous channels

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

Shear investigations of the breaking waves in the flume

Liiv, Toomas; **Liiv, Uno** Proceedings of the 3rd International Conference on Hydro-Science and -Engineering, Cottbus/Berlin, Germany, August 31 - September 3, 1998 1998 / Etekanne CD-ROMil: 21 lk

Ship wake deformation in the surf zone analyzed by use of a time-frequency method

Torsvik, Tomas; **Didenkulova, Ira** The Proceedings of The Twenty-fifth (2015) International Ocean and Polar Engineering Conference, ISOPE 2015, Kona, Big Island, Hawaii, USA, June 21-26, 2015 2015 / p. 394-399 : ill
https://www.researchgate.net/publication/283535633_Ship_wake_deformation_in_the_surf_zone_analyzed_by_use_of_a_time-frequency_method
[Conference proceedings at Scopus](#) [Article at Scopus](#)

Ship waves as a simple model of tsunamis and monster waves

Soomere, Tarmo 5th Junior European Meeting on Control & Information Technology : September 20-22, 2006, Tallinn, Estonia : book of abstracts 2006 / p. 2

Ship-induced solitary Riemann waves of depression in Venice Lagoon

Parnell, Kevin Ellis; **Soomere, Tarmo;** Zaggia, Luca; **Rodin, Artem;** Lorenzetti, Giuliano; Rapaglia, John; Scarpa, Gian Marco Physics letters A 2015 / p. 555-559 : ill <https://doi.org/10.1016/j.physleta.2014.12.004> [Journal metrics at Scopus](#) [Article at Scopus](#)
[Journal metrics at WOS](#) [Article at WOS](#)

Signal distortion and waveform conversion in a classical PLL

Min, Mart; **Männama, Vello;** **Paavle, Toivo** Proceedings of the European Conference on Circuit Theory and Design ECCTD'99 : August 29-September 2, 1999, Stresa, Italy 1999 / p. 127-130

Simulated wave-driven sediment transport along the eastern coast of the Baltic Sea

Soomere, Tarmo; Viška, Maija Journal of marine systems 2014 / p. 96-105 : ill <https://doi.org/10.1016/j.jmarsys.2013.02.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Simulation of patterns of wakes from high-speed ferries in Tallinn Bay

Torsvik, Tomas; **Soomere, Tarmo** Estonian journal of engineering 2008 / 3, p. 232-254 : ill

Simulation of solitary wave propagation in carbon fibre reinforced polymer

Lints, Martin; Salupere, Andrus; Dos Santos, Serge Proceedings of the Estonian Academy of Sciences 2015 / p. 297-303 : ill <https://doi.org/10.3176/proc.2015.3.14> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Solitary waves governed by complicated nonlinearity and dispersion

Salupere, Andrus; Engelbrecht, Jüri; Ilison, Olari; Ilison, Lauri List of abstracts FPU+50 : Nonlinear Waves 50 Years After Fermi-Pasta-Ulam : Rouen, France, June 21-25, 2005 2005 / p. 16-17

Solitary waves in dispersive solids

Engelbrecht, Jüri; Salupere, Andrus; Peterson, Pearu; Maugin, Gerard 3rd EUROMECH Solid Mechanics Conference : book of abstracts 1997 / p. 336

Solitary waves in nonlinear microstructured materials

Janno, Jaan; Engelbrecht, Jüri Journal of physics A : mathematical and general 2005 / p. 5159-5172 : ill

Solitonid mitu nägu. Kanalilaine. Solitonid avastamine. Mitmekesine maailm

Engelbrecht, Jüri Keeruka maailma võlu 2015 / lk. 23-29 : ill https://www.ester.ee/record=b4488344*est

Solitonide formeerumine ja interakteerumine

Salupere, Andrus; Engelbrecht, Jüri; Peterson, Pearu Biotoopia : Bioloogia. Tehnoloogia. Utopia. : Sorose Kaasaegse Kunsti Eesti Keskuse 3. aastanäitus, 22. november - 17. detsember 1995 1996 / 2 lk.: ill

Solitonide kohtumine - õrn embus või vihane võitlus?

Soomere, Tarmo Akadeemia 2008 / lk. 2287-2315, 2333-2334 : ill https://www.ester.ee/record=b1071914*est
https://artiklid.elnet.ee/record=b1998920*est

Solitons and solitary waves in hierarchical Korteweg-de Vries type systems = Solitonid ja üksiklained hierarhilistes Kortewegi-de Vriesi tüüpi süsteemides

Ilison, Lauri 2009 https://www.ester.ee/record=b2499322*est

Solitons and solitary waves in media with higher order dispersive and nonlinear effects

Ilison, Olari 2005 https://www.ester.ee/record=b2073549*est

Solitons in a perturbed Korteweg-de Vries system

Peterson, Pearu; Salupere, Andrus Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 1997 / 1/2, p. 102-110

Solitons in hierarchical Korteweg-de Vries type systems

Ilison, Lauri; Salupere, Andrus Proceedings of the Estonian Academy of Sciences. Physics. Mathematics 2003 / 1, p. 125-134 : ill https://artiklid.elnet.ee/record=b1011947*est

Some applications of "dynamical" representation of Poincare group

Saar, Rein; Loide, Rein-Karl; Ots, Ilmar Фундаментальные поля : [посвящается 60-летию М. Кыйва] 1989 / с. 52-71 https://www.ester.ee/record=b1292565*est

Some remarks on first order wave equations

Loide, Kadrin; Loide, Rein-Karl 1977 https://www.ester.ee/record=b1274745*est

Some remarks on the internal symmetries of relativistic wave equations

Loide, Rein-Karl Acta physica Polonica. B, Particle physics and field theory, nuclear physics, theory of relativity 1983 / p. 671-678 https://www.ester.ee/record=b3360521*est

Soome lahel mõõdeti neljapäeval rekordiline lainekõrgus

Tooming, Marko err.ee 2023 [Soome lahel mõõdeti neljapäeval rekordiline lainekõrgus](#) [Soome lahel mõõdeti rekordiline lainekõrgus](#)

Spatial patterns of the wave climate in the Baltic Proper and the Gulf of Finland

Räämet, Andrus; Soomere, Tarmo Boreal environment research 2021 / p. 29-41 : ill., map <http://www.borenv.net/BER/archive/pdfs/ber26/ber26-029-041.pdf>

Spatial patterns of the wave climate in the Baltic Proper and the Gulf of Finland

Soomere, Tarmo; Räämet, Andrus Oceanologia 2011 / p. 335-371 : ill

Spatial variations of wave loads and closure depths along the coast of the eastern Baltic Sea

Soomere, Tarmo; Viška, Maija; Eelsalu, Maris Estonian journal of engineering 2013 / p. 93-109 : ill

https://artiklid.elnet.ee/record=b2621589*est <https://doi.org/10.3176/eng.2013.2.01> [Article at Scopus](#)

A spatially extensive validation of three different wave models in the Helsinki coastal archipelago

Björkqvist, Jan-Victor; Vähä-Piikkiö, Olga; Tuomi, Laura; Alari, Victor From small scales to large scales - The Gulf of Finland Science Days 2017, 9th-10th October 2017, Estonian Academy of Sciences, Tallinn : Oral presentations 2017 / p. 10

https://www.etis.ee/File/DownloadPublic/ebda3e4a-2eb0-4f26-971f-f16046bc0bed?name=TheGulfOfFinlandScienceDays_2017.pdf&type=application%2Fpdf

Spatio-temporal variability of the Baltic Sea wave fields = Läänemere lainetuse tingimuste ajalis-ruumiline muutlikkus

Räämet, Andrus 2010 https://www.ester.ee/record=b2604916*est

Spatiotemporal variability of wave climate in the Gulf of Riga

Najafzadeh, Fatemeh; Jankowski, Mikolaj Zbigniew; Giudici, Andrea; Männikus, Rain; Suursaar, Ülo; Viška, Maija; Soomere, Tarmo Oceanologia 2024 / p. 56-77 : ill <https://doi.org/10.1016/j.oceano.2023.11.001> [Journal metrics at Scopus](#) [Article at Scopus](#)

[Journal metrics at WOS](#) [Article at WOS](#)

Spectral analysis of soliton formation

Engelbrecht, Jüri; Salupere, Andrus; Peipman, Tõnu; Maugin, Gerard Proceedings of the IUTAM/ISIMM Symposium on Structure and Dynamics of Nonlinear Waves in Fluids 1995

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

Statistics for long wave run-up on a slopping beach : theoretical predictions and experimental data

Didenkulova, Irina; Dutykh, Denys; Senichev, Dmitry 15th Plinius Conference on Mediterranean Risks : 8-11 June 2016, Giardini Naxos, Italy 2016 / p. 15-38

Stepped hulls early stage design by implementing 2D+T method

Niazmand Bilandi, Rasul; Dashtimanesh, Abbas; Tavakoli, Sasan HSMV 2023 : Proceedings of the 13th Symposium on High Speed Marine Vehicles 2023 / p. 23-32 <https://doi.org/10.3233/PMST230005> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Stress and solitary waves in solids

Engelbrecht, Jüri; Ravasoo, Arvi; **Salupere, Andrus** Proceedings of the Fourth Conference of the European Association for Structural Dynamics - EURO DYN '99 : Prague, Czech Republic, 7-10 June 1999 1999 / p. 23-30

Study of various excitation and reference signals for pulsed correlation-based ultrasound signal processing

Märtens, Olev; Saar, Tõnis; Reidla, Marko Elektronika ir elektrotehnika = Electronics and electrical engineering 2010 / 9, lk. 89-92 : ill https://www.researchgate.net/publication/268043244_Study_of_Various_Excitation_and_Reference_Signals_for_Pulsed_Correlation-based_Ultrasound_Signal_Processing

Studying the change of average waves of the Caspian Sea using the altimetry data

Rakishcheva, Zauze Bayanovna; Kudryavtseva, Nadezhda; Kussembayeva, Kuanysh; Sakhayeva, Aigerim Journal of mathematics, mechanics and computer science 2019 / p. 59-75 : ill <https://doi.org/10.26577/JMMCS-2019-1-618>

Subharmonic resonant excitation of edge waves by breaking surface waves

Abcha, Nizar; Zhang, Tonglei; Ezersky, Alexander; Pelinovsky, Efim; Didenkulova, Irina Nonlinear processes in geophysics 2017 / p. 157-165 : ill <https://doi.org/10.5194/npg-24-157-2017> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Surface wave conversion analysis on a lengthwise soldered circular cylindrical shell

Baillard, Andre; Chiumia, Jeremiah; Decultot, Dominique; Maze, Gerard; Klauson, Aleksander; Metsaveer, Jaan Journal of Acoustical Society of America 2008 / 4, p. 2061-2067 <https://pubs.aip.org/asa/jasa/article/124/4/2061/980878/Surface-wave-conversion-analysis-on-a-lengthwise>

Surface vessel localization from wake measurements = Laevade asukoha ja liikumise parameetrite määramine laevalainete salvestustest

Rätsep, Margus 2025 https://www.ester.ee/record=b5729084*est <https://digikogu.taltech.ee/et/Item/f2a0e889-2719-4239-af66-393de661ad79> <https://doi.org/10.23658/taltech.7/2025>

Zero mass limit of spin 3/2 wave equations

Loide, Rein-Karl; Polt, A. Eesti NSV Teaduste Akadeemia toimetised. Füüsika. Matemaatika = Известия Академии наук Эстонской ССР. Физика. Математика = Proceedings of Academy of Sciences of the Estonian SSR. Physics. Mathematics 1986 / lk. 43-55 https://www.ester.ee/record=b1264310*est

TalTechi 2022. aasta parim arendustöö on nutikas lainemõõtja
geenius.ee 2023 [TalTechi 2022. aasta parim arendustöö on nutikas lainemõõtja](#)

Tarmo Soomere ÜROs uuest Eesti rakendusest: riikidel tekib ka ilma kallite radariteta täielik pilt
Kald, Indrek ituudised.ee 2023 [Tarmo Soomere ÜROs uuest Eesti rakendusest: riikidel tekib ka ilma kallite radariteta täielik pilt Eestis välja töötatud tehnoloogia võimaldab laevu identifitseerida tekitatud lainete järgi ÜRO-s esitleti Eestis välja töötatud tehnoloogiat, mis ka kõige märkamatumad laevad ära tunneb](#)

Tarmo Soomere ÜROs uuest Eesti rakendusest: riikidel tekib ka ilma kallite radariteta täielik pilt
ituudised.ee 2023 [Tarmo Soomere ÜROs uuest Eesti rakendusest: riikidel tekib ka ilma kallite radariteta täielik pilt](#)

Tarmo Soomere, Kevin Parnell: rannad tahavad vabalt hingata [Võrguväljaanne]
Soomere, Tarmo; Parnell, Kevin Ellis postimees.ee 2021 ["Tarmo Soomere, Kevin Parnell: rannad tahavad vabalt hingata "](#)

Tarmo Soomere: eluohtlikud kiirlaevalained ründavad taas
Rooväli, Küllike; **Soomere, Tarmo** Õhtuleht 2017 / lk. 3

Teadlane vastab : miks on merel vahel lained ka vaikse ilmaga? [Võrguväljaanne]
Soomere, Tarmo Eesti Teaduste Akadeemia : Youtube kanal 2020 / video [Teadlane vastab: miks on merel vahel lained ka vaikse ilmaga?](#)

The application of coast geomorphic process concepts to eastern Baltic Sea conditions in a changing climate
Parnell, Kevin Ellis; Soomere, Tarmo 3rd Baltic Earth Conference : Earth system changes and Baltic Sea coasts, To be held in Jastarnia, Hel Peninsula, Poland, 1 to 5 June 2020, Held online, 2-3 June 2020 : Conference proceedings 2020 / p. 143-144 https://archive.baltic.earth/hel2020/material/3rd_BalticEarth_Conference_Proceedings.pdf

The effect of turbulent roughness to the turbulence in breaking waves [Electronic resource]
Liiv, Toomas Proceedings of the COPEDEC V : Johannesburg, South Africa, 1999 1999 / [CD-ROM]

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 generation and dissipation of a solitonic wave that travels in the reverse direction to the flow in the Saint John River Estuary, New Brunswick, Canada
Delpeche, Nicole; Clarke, J. Hughes; Haigh, S International Conference on Complexity of Nonlinear Waves : October 5-7, 2009 : book of abstracts 2009 / p. 12

The influence of the changes of wave propagation speed on sensor arrays [Electronic resource]
Ruuben, Toomas UDT Europe 2003 : Undersea Defence Technology : conference & exhibition, Malmö, Sweden, 24-26 June 2003 : conference proceedings 2003 / [10] p. : ill. [CD-ROM]

The perturbation technique for wave interaction in prestressed material
Ravasoo, Arvi Applied wave mathematics : selected topics in solids, fluids, and mathematical methods 2009 / p. 31-53

The run-up of long waves of different polarity on non-reflecting and flat cross-shore profiles
Rodin, Artem; Zemlyanikin, Andrey; Kurkin, Andrey; **Giudici, Andrea** 2018 IEEE/OES Baltic International Symposium (BALTIC 2018) : Klaipėda, Lithuania 12 - 15 June 2018 2018 / p. 128-133 : ill <https://doi.org/10.1109/BALTIC.2018.8634864>

The run-up of long waves of different polarity on non-reflecting and flat cross-shore profiles
Rodin, Artem; Zemlyanikin, Andrey; Kurkin, Andrey; **Giudici, Andrea** 7th IEEE/OES Baltic Symposium Clean and Safe Baltic Sea and Energy Security for the Baltic countries : abstract book : 12-15 June 2018 Klaipėda, Lithuania 2018 / p. 54 http://balticvalley.lt/baltic2018/wp-content/uploads/2018/06/abstract-book_7th_Baltic-Symposium_20180528.pdf

The run-up of nonlinearly deformed sea waves on the coast of a bay with a parabolic cross-section
Didenkulov, Oleg; **Didenkulova, Irina;** Pelinovsky, Efim Moscow University physics bulletin 2016 / p. 323-328 : ill <https://doi.org/10.3103/S0027134916030048> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The structure of algebraic solitons and compactons in the generalized Korteweg–de Vries equation
Pelinovsky, Efim; Talipova, Tatyana; **Soomere, Tarmo** Physica D : Nonlinear Phenomena 2021 / art. 132785, 7 p. : ill <https://doi.org/10.1016/j.physd.2020.132785> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The variation of the velocity and turbulent kinetic energy field in the wave in the vicinity of the breaking point

Liiv, Toomas; Lagemaa, Priidik Estonian journal of engineering 2008 / 1, p. 42-64 : ill

The variation of turbulent eddy viscosity during a wave cycle [Electronic resource]

Oldekop, Nelly; Liiv, Toomas E-proceedings of the 36th IAHR World Congress : 28 June - 3 July, 2015, The Hague, the Netherlands 2015 / p. 1-5 : ill

The wave climate and its seasonal variability in the northeastern Baltic Sea

Räämet, Andrus; Soomere, Tarmo Estonian journal of earth sciences 2010 / 1, p. 100-113 : ill

https://artiklid.elnet.ee/record=b1965737*est

Применение общей теории качки судов к определению продольной и поперечной сил и момента рысканья, действующих на судно на попутной волне

Ananjev, Dmitri 1959 https://www.ester.ee/record=b1310849*est <https://digikogu.taltech.ee/et/Item/97600fad-7c47-4ef3-b828-3b0cd5bf0494>

Transformation of a strongly nonlinear wave in a shallow-water basin

Pelinovsky, Efim; Rodin, Artem Izvestiya, atmospheric and oceanic physics 2012 / p. 343-349 : ill

<https://link.springer.com/article/10.1134/S0001433812020089>

Transformation of an irregular wave field along a quartic bottom profile

Didenkulova, Irina; Pelinovsky, Efim Proceedings of the Estonian Academy of Sciences 2013 / p. 155-160 : ill

<https://doi.org/10.3176/proc.2013.3.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Transport of sediments resuspended by ferries

Erm, Ants; Alari, Victor; Kõuts, Tarmo US/EU-Baltic International Symposium : Ocean observations, ecosystem-based management & forecasting : May 27-29, 2008, Tallinn, Estonia : book of abstracts 2008 / p. 45-46 : ill

Travelling water waves along a quartic bottom profile

Didenkulova, Irina; Pelinovsky, Efim Proceedings of the Estonian Academy of Sciences 2010 / 2, p. 166-171 : ill

Travelling waves in forced Korteweg-de Vries systems

Peterson, Pearu Tenth Nordic Seminar on Computational Mechanics, Tallinn Technical University, October 24-25, 1997 1997 / p. 315-317

Tsunami evolution and run-up in a large scale experimental facility

Sriram, Venkatachalam; Didenkulova, Irina; Sergeeva, Anna; Schimmels, Stefan Coastal engineering 2016 / p. 1-12 : ill

<https://doi.org/10.1016/j.coastaleng.2015.11.006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Tsunami generation in a large scale experimental facility

Schimmels, Stefan; Sriram, Venkatachalam; Didenkulova, Irina Coastal engineering 2016 / p. 32-41 : ill

<https://doi.org/10.1016/j.coastaleng.2015.12.005> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Tsunami wave run-up on a vertical wall in tidal environment

Didenkulova, Irina; Pelinovsky, Efim Pure and applied geophysics 2018 / p. 1387-1391 <https://doi.org/10.1007/s00024-017-1744-2>

[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Tuulegeneraatoritest ja Lamb'i lainetest

Tamberg, Gert Aastaraamat 2010 / Eesti Matemaatika Selts 2012 / lk. 10-19 : ill

A two-layer elastic strip under transverse impact loading : analytical solution, finite element, and finite volume simulations

Adámek, V.; Berezovski, Arkadi; Mračko, Michal; Kolman, Radek Mathematics and computers in simulation 2021 / p. 126-140

<https://doi.org/10.1016/j.matcom.2020.10.007> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

„Tänane koolifüüsika läheb sellest teemast suure kaarega mööda!“ Füüsik Jaan Kalda selgitab, kuidas aitas füüsika viikingeid

Kalda, Jaan forte.delfi.ee 2024 „Tänane koolifüüsika läheb sellest teemast suure kaarega mööda!“ Füüsik Jaan Kalda selgitab, kuidas aitas füüsika viikingeid

Underwater experiments and a theoretical model – case study in Tallinn Bay

Erm, Ants; Buschmann, Fred; Listak, Madis; Rebane, Jaan; Toming, Gert Journal of coastal research 2013 / p. 1521-1526 : ill

<https://doi.org/10.2112/SI65-257> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Unusual wave and water level conditions in the Baltic Sea during windstorm Gudrun in January 2005 and their modelling

Soomere, Tarmo 5th International Conference on Optimal Research "Simulation and Optimization in Business and Industry" : May

17-20, 2006, Tallinn, Estonia : programme and abstracts 2006 / p. 4-5

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]

Uus mudel prognoosib lainekõrgust Läänemerele [Võrguväljaanne]

Saar, Sandra novaator.err.ee 2022 [Uus mudel prognoosib lainekõrgust Läänemerele](#)

Validation of the multi-mission altimeter wave height data for the Baltic Sea region

Kudryavtseva, Nadezhda; Soomere, Tarmo Estonian journal of earth sciences 2016 / p. 161-175 : ill

<https://doi.org/10.3176/earth.2016.13> https://artiklid.elnet.ee/record=b2802414*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

WAM, SWAN and WAVEWATCH III in the Finnish archipelago – the effect of spectral performance on bulk wave parameters

Björkqvist, Jan-Victor; Vähä-Piikkiö, Olga; **Alari, Victor**; Kuznetsova, A.; Tuomi, Laura Journal of operational oceanography 2020 / p. 55-70 : ill <https://doi.org/10.1080/1755876X.2019.1633236> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Variability in the properties of long waves generated by high-speed ferries in Tallinn Bay

Kurennoy, Dmitry; Parnell, Kevin Ellis BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 182

Variations in extreme wave heights and wave directions in the north-eastern Baltic Sea

Räämet, Andrus; Soomere, Tarmo; Zaitseva-Pärnaste, Inga Proceedings of the Estonian Academy of Sciences 2010 / 2, p. 182-192 : ill

Wave climate and its decadal changes in the Baltic Sea derived from visual observations = Läänemere lainekliima ja selle muutlikkus visuaalsete lainevaatluste alusel

Zaitseva-Pärnaste, Inga 2013

Wave climatology in the Arkona Basin, the Baltic Sea

Soomere, Tarmo; Weisse, Ralf; Behrens, Arno Ocean science 2012 / p. 287-300 : ill <https://os.copernicus.org/articles/8/287/2012/os-8-287-2012.pdf>

Wave density spectra estimation with LSTM from Sentinel-1 SAR in the Baltic Sea

Rikka, Sander; Nõmm, Sven; Alari, Victor; Simon, Martin; Björkqvist, Jan-Victor 2024 IEEE/OES Thirteenth Current, Waves and Turbulence Measurement (CWTM), 18-20 March 2024 2024 / 5 p. : ill <https://doi.org/10.1109/CWTM61020.2024.10526344> [Article at Scopus](#)

Wave dynamics in the channels of variable cross-section

Pelinovsky, Efim; **Didenkulova, Irina**; Shurgalina, Ekaterina Physical oceanography 2017 / p. 19-27 : ill <http://dx.doi.org/10.22449/1573-160X-2017-3-19-27>

Wave energy potential in the seasonally ice-covered Baltic Sea based on a long-term hindcast

Alari, Victor; Björkqvist, Jan-Victor; Pärn, Ove 7th IEEE/OES Baltic Symposium Clean and Safe Baltic Sea and Energy Security for the Baltic countries : abstract book : 12–15 June 2018 Klaipėda, Lithuania 2018 / p. 11 http://balticvalley.lt/baltic2018/wp-content/uploads/2018/06/abstract-book_7th_Baltic-Symposium_20180528.pdf

Wave height return periods from combined measurement–model data: a Baltic Sea case study

Björkqvist, Jan-Victor; Rikka, Sander; Alari, Victor; Männik, Aarne; Tuomi, Laura; Pettersson, Heidi Natural hazards and earth system sciences 2020 / p. 3593–3609 <https://doi.org/10.5194/nhess-20-3593-2020> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Wave hierarchy in microstructured solids

Engelbrecht, Jüri; Pastrone, Franco; Cermelli, P. Geometry, mechanics, micro-structure 1999 / p. 99-111

Wave propagation in hierarchical multiscale microstructured solids and dispersion

Peets, Tanel; Tamm, Kert 28th Nordic Seminar on Computational Mechanics, 22-23 October, Tallinn, 2015 : proceedings of the NSCM28 2015 / p. 141-144 : ill

Wave regime differences along the eastern coast of the Baltic Proper

Kelpšaitė, Loreta; Herrmann, Heiko; Soomere, Tarmo Proceedings of the Estonian Academy of Sciences 2008 / 4, p. 225-231 : ill

Waveform filtering using adaptive filters

Ronk, Ants; Min, Mart Proceedings of the IEEE International Workshop on Intelligent Signal Processing : September 4-7, 1999,

Изучение статистики наката случайных волн на берег на основе прямого численного моделирования

Seništšev, Dmitri; **Didenkulova, Irina**; Dutykh, Denys Сборник трудов : XXIII Международной научно-технической конференции : «Информационные системы и технологии» : ИСТ-2017 2017 / с. 1001-1006

Изучение экстремальных заплесков волн на берег в рамках нелинейных уравнений теории мелкой воды

Seništšev, D.; **Didenkulova, Irina** XXII Международная научно-техническая конференция "Информационные системы и технологии" ИСТ-2016 : посвященная 80-летию РТФ-ФРК-ФИСТ-ИРИТ 2016 / с. 437

Искажение двумерных волн в нелинейных средах

Peipman, Tõnu Актуальные проблемы геофизики : (материалы 2-й Всесоюзной конференции молодых ученых) 1985 / с. 41-47 https://www.ester.ee/record=b3760691*est

Исследование распространения волн в упругой цилиндрической оболочке на базе геометрически нелинейной теории типа Тимошенко

Poverus, Lembit Переходные процессы деформации оболочек и пластин : материалы Всесоюзного симпозиума по переходным процессам деформации оболочек и пластин : Тарту, с 28 июня по 3 июля 1967 г. 1967 / с. 169 https://www.ester.ee/record=b1411282*est

Исследование распространения упругих волн в сферической оболочке

Poverus, Lembit; Männik, A. Труды IX Всесоюзной конференции по теории оболочек и пластин, 24-28 декабря 1973 г. 1975 / с. 212-215

Исследование распространения упругих волн в угловых соединениях балок и складчатых конструкциях методом конечных элементов

Käerdi, Helmo; Poverus, Lembit Труды по строительной механике : сборник статей. 5 1974 / с. 49-55 : илл https://www.ester.ee/record=b2190653*est <https://digikogu.taltech.ee/et/Item/66202bf2-fa56-47cc-8d36-17e663cd263d>

Исследование распространения упругих волн деформации в цилиндрической оболочке вариационным методом

Poverus, Lembit Труды по строительной механике : сборник статей. 3 1970 / с. 57-65 https://www.ester.ee/record=b2189980*est <https://digikogu.taltech.ee/et/Item/cb50984d-414d-4d6b-bd3f-9e9456870054>

Исследование распространения цилиндрических и сферических упругих и термоупругих волн в слоистых средах методом конечных элементов

Käerdi, Helmo; Poverus, Lembit Труды симпозиума "Нелинейные и тепловые эффекты при переходных волновых процессах": [20-24 ноября 1973 г. Таллин]. Т. 2 1973 / с. 127-134 : илл https://www.ester.ee/record=b1581419*est

Исследование упругих волн в складчатых конструкциях

Käerdi, Helmo; Poverus, Lembit Труды X Всесоюзной конференции по теории оболочек и пластин: Кутаиси, 22-29 сентября 1975 г. : [в 2 т.], т. 2 1975 / с. 255-259 https://www.ester.ee/record=b3798375*est

Исследование упругих волн в складчатых конструкциях методом трехмерных сеток и методом конечных элементов

Käerdi, Helmo; Poverus, Lembit Труды по строительной механике : сборник статей. 7 1976 / с. 47-55 : илл https://www.ester.ee/record=b2190752*est <https://digikogu.taltech.ee/et/Item/f6a690f4-3c09-4e01-8a66-8a313dea9f38>

К обратной задаче о собственных колебаниях упругих оболочек

Ainola, Leo Прикладная математика и механика 1971 / с. 358-364 https://www.ester.ee/record=b1582396*est

К постановке обратной задачи о собственных колебаниях в общей теории упругих оболочек

Ainola, Leo Теория оболочек и пластин : [труды VIII Всесоюзной конференции по теории оболочек и пластин, Ростов-на-Дону, 1971] 1973 / с. 366-370 https://www.ester.ee/record=b2749835*est

Колебание кругоцилиндрической упругой оболочки, вызванное действием сосредоточенного импульса

Nigul, Uno Сборник статей по теории тонкостенных конструкций. 2 1960 / с. 37-57 : илл https://www.ester.ee/record=b1510765*est <https://digikogu.taltech.ee/et/Item/47ab6223-d81b-4985-aecf-ed338263d1b>

Малые неосесимметричные собственные колебания упругих тонких конических и цилиндрических оболочек

Poverus, Lembit; Räämet, Raimund; Alumäe, Nikolai Сборник статей по теории тонкостенных конструкций. [1] 1958 / с. 31-64 : илл https://www.ester.ee/record=b1380598*est <https://digikogu.taltech.ee/et/Item/a5fb654c-deed-4559-8513-413916c93f39>

Метод конечных элементов для исследования переходных волновых процессов

Käerdi, Helmo; Poverus, Lembit Труды по строительной механике : сборник статей. 5 1974 / с. 33-48 : илл https://www.ester.ee/record=b2190653*est <https://digikogu.taltech.ee/et/Item/66202bf2-fa56-47cc-8d36-17e663cd263d>

Моделирование внутренних волн на северо-западном побережье Пиринейского полуострова

Rõbin, A.; Didenkulova, Irina; Ruvinskaja, E. XXII Международная научно-техническая конференция "Информационные системы и технологии" ИСТ-2016 : посвященная 80-летию РТФ-ФРК-ФИСТ-ИРИТ 2016 / с. 422

Накат волны цунами на вертикальную стенку в присутствии прилива

Didenkulova, Irina; Pelinovsky, Efim Сборник трудов : XXIII Международной научно-технической конференции : «Информационные системы и технологии» : ИСТ-2017 2017 / с. 911-915

Накат длинных волн на берег в бухте параболического сечения

Didenkulov, Oleg; **Didenkulova, Irina;** Pelinovsky, Efim Сборник трудов : XXIII Международной научно-технической конференции : «Информационные системы и технологии» : ИСТ-2017 2017 / с. 905-910

Накат нелинейно деформированных морских волн на берег бухты параболического сечения

Didenkulov, Oleg; **Didenkulova, Irina;** Pelinovsky, Efim Вестник Московского Университета. Серия 3, Физика. Астрономия 2016 / с. 84-89 : ил <http://vmu.phys.msu.ru/file/2016/3/16-3-84.pdf>

Накат поверхностных волн на стенку, установленную на выпуклом донном профиле

Didenkulova, Irina; Pelinovsky, Efim; Rodin, Artem Океанология 2016 / с. 529-536 <https://doi.org/10.7868/S0030157416030035>

Некоторые вопросы прохождения акустических волн через слоистые пластины

Hein, A.; Tümanok, Aleksei XVI студенческая научно-техническая конференция вузов Прибалтики, Белорусской ССР и Калининградской области, посвященная 100-летию со дня рождения В. И. Ленина : 20-25 апреля 1970 г. : (тезисы докладов). Математика, физика и химия 1970 / с. 12 https://www.ester.ee/record=b1379468*est

Некоторые задачи теории управляемости судов на волнении

Ananjev, Dmitri Труды по физике : сборник статей. 3 1962 / с. 3-20 : илл https://www.ester.ee/record=b2181580*est
<https://digikogu.taltech.ee/et/Item/b26026d9-e986-49c0-9ada-121845efb876>

Некоторые результаты исследования уравнений собственных колебаний упругой кругоцилиндрической оболочки

Nigul, Uno Сборник статей по теории тонкостенных конструкций. 2 1960 / с. 19-36 : илл https://www.ester.ee/record=b1510765*est
<https://digikogu.taltech.ee/et/Item/47ab6223-d81b-4985-aecf-ed338263d1b>

Нелинейные волны деформации

Engelbrecht, Jüri; Nigul, Uno 1981 https://www.ester.ee/record=b1522024*est

Нестационарное взаимодействие акустического импульса с упругим цилиндром, содержащим упругий наполнитель

Korsunski, Viktor Двумерное поле напряжений и оптимальные плоские системы 1981 / с. 55-62 : илл https://www.ester.ee/record=b1319008*est <https://digikogu.taltech.ee/et/Item/8ec0bf04-e0db-4a16-a1ab-14a4b18e0132>

О влиянии волнообразования на скорость захлебывания в пленочных колоннах

Treimann, Aksel; Siirde, Enno Процессы и аппараты химической технологии и технология неорганических веществ. 4 1973 / с. 15-23 : илл https://www.ester.ee/record=b1386707*est <https://digikogu.taltech.ee/et/Item/72e7c5b1-8453-41a6-9821-41853b98368d>

О динамических моделях вязкоупругих сред

Metsaveer, Jaan Доклады Академии наук СССР. Новая серия 1981 / с. 564-566 https://www.ester.ee/record=b1490268*est

О нахождении физических параметров неоднородной среды по измерениям скорости и интенсивности волны

Ravasoo, Arvi Статические и динамические методы анализа стержневых систем, пластин и оболочек 1983 / с. 11-16
https://www.ester.ee/record=b1513195*est <https://digikogu.taltech.ee/et/Item/c8920c4d-e383-488b-9505-a1e291ff68b7>

О применении теории оболочек в задачах рассеяния акустических волн от сферических оболочек в жидкой среде

Metsaveer, Jaan Труды VII Всесоюзной конференции по теории оболочек и пластинок, Днепропетровск, 1969 1970 / с. 421-424 : ил https://www.ester.ee/record=b2874701*est

О рассеянии волн упругими сферическими оболочками в акустической среде

Metsaveer, Jaan Eesti NSV Teaduste Akadeemia toimetised. Füüsika. Matemaatika = Известия Академии наук Эстонской ССР. Физика. Математика = Proceedings of Academy of Sciences of the Estonian SSR. Physics. Mathematics 1970 / lk. 415-422 : ill https://www.ester.ee/record=b1264310*est

О решении двумерных уравнений переноса переходных волновых процессов методом преобразования Фурье

Peipman, Tõnu; Engelbrecht, Jüri Вопросы прочности и оптимизации конструкций 1982 / с. 107-112 : рис https://www.ester.ee/record=b1304345*est

О спектре колебания при гармонической угловой модуляции

Arro, Ilmar Теоретические основы методов и приборов измерения параметров слабых сигналов 1979 / с. 13-16
https://www.ester.ee/record=b1267554*est <https://digikogu.taltech.ee/et/Item/323c0193-b2ea-454b-8578-33f3da07fa9f>

О формировании уединенных волн

Engelbrecht, Jüri; Peipman, Tõnu Развитие научных исследований в области технических наук в Эстонской ССР : тезисы республиканской конференции, Таллин, 15-16 октября 1986 г. 1986 / с. 187-190 https://www.ester.ee/record=b1231513*est

Об общих формах колебания круговой замкнутой цилиндрической оболочки

Nigul, Uno; Alumäe, Nikolai Сборник статей по теории тонкостенных конструкций. [1] 1958 / с. 65-83 : илл https://www.ester.ee/record=b1380598*est <https://digikogu.taltech.ee/et/Item/a5fb654c-deed-4559-8513-413916c93f39>

Об осесимметрических колебаниях кругоцилиндрических тонкостенных оболочек

Ollik, Konstantin; Alumäe, Nikolai Сборник статей по теории тонкостенных конструкций. [1] 1958 / с. 15-30 : илл https://www.ester.ee/record=b1380598*est <https://digikogu.taltech.ee/et/Item/a5fb654c-deed-4559-8513-413916c93f39>

Об учете дифракционных сил при исследовании управляемости судов на волнении

Ananjev, Dmitri Судовые силовые установки и судостроение : сборник статей. [1] 1961 / с. 88-99 : илл https://www.ester.ee/record=b2181440*est <https://digikogu.taltech.ee/et/Item/97a164bf-01bd-43f0-a091-986396e39e2d>

Одномерные волны в среде с неоднородной предварительной деформацией

Ravasoo, Arvi Вопросы нелинейной механики сплошной среды : сборник научных трудов 1985 / с. 161-171 https://www.ester.ee/record=b1240779*est

Переходные колебания цилиндрической оболочки, возбуждаемые подвижной нагрузкой

Tümanok, Aleksei XX научная конференция, посвященная 25-летию Эстонской ССР 18-22 мая 1965 г. : тезисы и резюме 1965 / с. 35-36 https://www.ester.ee/record=b1359832*est

Поперечные колебания высоких свайных ростверков

Golst, Georgi Информационный бюллетень Академии / Военная академия тыла и транспорта ; 58 1956 / с. 33-43 https://www.ester.ee/record=b5306450*est

Поперечные колебания свайных ростверков как систем с двумя степенями свободы

Golst, Georgi Военная академия тыла и транспорта ; 8 1957 / с. 3-12 https://www.ester.ee/record=b5306450*est

Распространение упругих волн в толстостенной сферической оболочке

Räämet, Raimund Труды по строительной механике : сборник статей. 6 1975 / с. 33-45 : илл https://www.ester.ee/record=b2190691*est <https://digikogu.taltech.ee/et/Item/817f11ea-2ed6-451f-8d77-f8d3240eb64f>

Распространение упругих волн в трансверсально-изотропной и изотропной толстой пластине

Poverus, Lembit; Räämet, Raimund Распространение упругих и упругопластических волн : (материалы V Всесоюзного симпозиума) 1973 / с. 282-288 : илл https://www.ester.ee/record=b2871643*est

Распространение упругих волн в трансверсально-изотропной толстой пластине

Poverus, Lembit; Räämet, Raimund Строительные конструкции и строительная физика : сборник статей. 10 1970 / с. 95-103 : илл https://www.ester.ee/record=b2189979*est <https://digikogu.taltech.ee/et/Item/61a80292-0587-462a-b7a6-0a942f3a8038/>

Сравнение дисперсионной и бездисперсионной моделей наката длинных волн на берег

Abdalazeez, Ahmed; Didenkulova, Irina; Dutykh, Denys; Denissenko, Petr Известия РАН. Физика атмосферы и океана 2020 / с. 567-574 <https://doi.org/10.31857/S0002351520050028>

Упругие волны в круглой пластине

Poverus, Lembit Статические и динамические методы анализа пластин и оболочек 1984 / с. 51-63

Упругие волны в однослойных и слоистых пластинах

Poverus, Lembit Двумерное поле напряжений и оптимальные плоские системы 1981 / с. 79-91 : илл https://www.ester.ee/record=b1319008*est <https://digikogu.taltech.ee/et/Item/8ec0bf04-e0db-4a16-a1ab-14a4b18e0132>

Упругие волны в складчатых конструкциях

Käerdi, Helmo; Poverus, Lembit Труды по строительной механике : сборник статей. 5 1974 / с. 57-69 : илл https://www.ester.ee/record=b2190653*est <https://digikogu.taltech.ee/et/Item/66202bf2-fa56-47cc-8d36-17e663cd263d>

Фундаментальное решение векторного волнового уравнения в искривленном пространстве - времени

Mankin, Romi Тезисы докладов всесоюзной конференции "Современные теоретические и экспериментальные проблемы теории относительности и гравитации" : [VI Советская гравитационная конференция, ИТФ АН СССР, МГПИ, УДН, Москва, июль 1984 г.] 1984 / с. 136-137 https://www.ester.ee/record=b5339755*est

Численная реализация метода характеристик при одномерных волновых процессах деформации

Lahe, Andres; Nigul, Uno; Pikk, J.P.; Engelbrecht, Jüri Труды симпозиума "Нелинейные и тепловые эффекты при

переходных волновых процессах": [20-24 ноября 1973 г. Таллин]. Т. 2 1973 / с. 68-75 : ил https://www.eester.ee/record=b1581419*est

Экспериментальное исследование воздействия волн на прибрежные сооружения при экстремальных наводнениях

Rodin, Artem; Didenkulov, Oleg; Sergeeva, Anna; **Didenkulova, Irina** XXII Международная научно-техническая конференция "Информационные системы и технологии" ИСТ-2016 : посвященная 80-летию РТФ-ФРК-ФИСТ-ИРИТ 2016 / с. 421