

A Model for the formation of "optimal" vortex rings taking into account viscosity

Kaplanski, Felix; Rudi, Ülo Physics of fluids 2005 / 8, [7] p <https://pubs.aip.org/aip/pof/article/17/8/087101/361381/A-model-for-the-formation-of-optimal-vortex-rings>

A model for the formation of "optimal" vortex rings with taking into account viscosity

Kaplanski, Felix; Rudi, Ülo 21st International Congress of Theoretical and Applied Mechanics : August 15-21, 2004, Warsaw, Poland : ICTAM04 : abstracts and CD-ROM proceedings 2004 / p. 189 <https://pubs.aip.org/aip/pof/article/17/8/087101/361381/A-model-for-the-formation-of-optimal-vortex-rings>

A pilot study of hydrodynamical and geological conditions at some possible offshore wind farms in Estonian coastal waters

Erm, Ants; Alari, Victor; Kõuts, Tarmo; Lilover, Madis-Jaak; Kask, Andres Proceedings of European Seminar : Offshore Wind and Other Marine Renewable Energies in Mediterranean and European Seas : 21-23 May, Brindisi, Italy 2009 / p. 49-63

Against the flow : a Braitenberg controller for a fish robot

Salumäe, Taavi; Rano, Inaki; Akanyeti, Otar; Kruusmaa, Maarja 2012 IEEE International Conference on Robotics and Automation : ICRA : Saint Paul, Minnesota, USA, May 14-18, 2012 2012 / p. 4210-4215 : ill <https://ieeexplore.ieee.org/document/6225023>

Air jet massage device

Reedik, Vello; Kristjuhan, Ülo; Tähemaa, Toivo The Fourth Scandinavian International Conference on Fluid Power : proceedings of the conference, Tampere, Finland, September 26-29, 1995. Vol. 1 1995 / p. 569-576: ill

Analysis of the hydrodynamic forces in pneumatic and hydraulic systems using ANSYS & FLOTTRAN

Grigas, V.; Žiliukas, P. Tenth Nordic Seminar on Computational Mechanics, Tallinn Technical University, October 24-25, 1997 1997 / p. 144-147: ill

Applicability of the FB reactor of aspen plus for CFB oxy-fuel combustion of Estonian oil shale : gas and solid hydrodynamics

Yörük, Can Rüstü; Normann, F.; Filip, J.; Trikkel, Andres; Kuusik, Rein, keemik Proceedings of the 22nd International Conference on Fluidized Bed Conversion : Turku, Finland, June 14-17, 2015. Vol. 1 2015 / p. 150-159

Artificial lateral line for aquatic habitat modelling: An example for Lefua echigonia

Garcia-Vega, Ana; Fuentes-Perez, Juan Francisco; Fukuda, Shinji; Kruusmaa, Maarja; Sanz-Ronda, Francisco Javier; Tuhtan, Jeffrey Andrew Ecological Informatics 2021 / art. 101388 <https://doi.org/10.1016/j.ecoinf.2021.101388> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

An assessment and quantification of sea surface currents using satellite altimetry, in-situ and hydrodynamic model data for the Gulf of Finland, Baltic Sea

Delpeche-Ellmann, Nicole Camille; Viikmäe, Bert; Pindsoo, Katri; Soomere, Tarmo 2019 European Space Agency Living Planet Symposium 2019 / [1] p <https://lps19.esa.int/NikaWebsitePortal/living-planet-symposium-2019/lps19/Speaker>

Atmospheric forcing controlling inter-annual nutrient dynamics in the open Gulf of Finland

Lehtoranta, Jouni; Savchuk, Oleg P.; Elken, Jüri Journal of marine systems 2017 / p. 4-20 : ill <https://doi.org/10.1016/j.jmarsys.2017.02.001>

Biochemical definition of coastal zone using numerical modeling and measurement data

Lessin, Gennadi 2007 <https://digi.lib.ttu.ee/i/?90> https://www.eester.ee/record=b2298253*est

Bioprocess scale-up strategy based on integration of fluid dynamics and microbial physiology

Enfors, S.-O.; Jahic, M.; Rožkov, Aleksei 2nd European Symposium on Biochemical Engineering Science Porto : plenary lectures : 16-19 September 1998 1998 / p. 7-12: ill

Blockage of saline intrusions in restricted, two-layer exchange flows across a submerged sill obstruction

Cuthbertson, Alan; Laanearu, Janek; Carr, Magda; Sommeria, Joel; Viboud, Samuel Environmental fluid mechanics 2018 / p. 27-57 : ill <https://doi.org/10.1007/s10652-017-9523-2> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Buoyancy-driven two-layer exchange flows across a slowly submerging barrier

Cuthbertson, Alan; Laanearu, Janek; Davies, Peter A. Environmental fluid mechanics 2006 / p. 133-151 : ill https://www.researchgate.net/publication/227110315_Buoyancy-Driven_Two-Layer_Exchange_Flows_Across_a_Slowly_Submerging_Barrier

CFD modelling of solid-liquid suspension flow in a horizontal pipe [Electronic resource]

Yang, Guangyu; Enqvist, Yuko; Qu, Haiyan; Louhi-Kultanen, Marjatta; Kallas, Juha; Wang, J. ECCE-6 proceedings : 6th European Congress on Chemical Engineering (ECCE-6) : Copenhagen, 16-21 September 2007 / ? p. [CD-ROM] https://folk.ntnu.no/skoge/prost/proceedings/ecce6_sep07/upload/1132.pdf

CFD modelling of the tubular air preheater in boiler firing oil shale

Nešumajev, Dmitri; Ots, Arvo Advances in heat transfer : proceedings of the 7th Baltic Heat Transfer Conference : Tallinn, Estonia, August 24-26, 2015 2015 / p. 257-262 : ill

CFD, ehk mis see on ja kellel seda vaja?

Lakatoš, Mikloš; Vatsfeld, Villu Paat & Merendus 2023 / lk. 74-75 : ill http://www.ester.ee/record=b4471304*est

Clustering of floating particles due to submesoscale dynamics : a simulation study for the Gulf of Finland, Baltic Sea

Väli, Germa; Zhurbas, Victor; Laanemets, Jaan; Lips, Urmas Фундаментальная и прикладная гидрофизика 2018 / с. 21-35

<https://doi.org/10.7868/s2073667318020028> <http://hydrophysics.info/?p=3685> en [Journal metrics at Scopus](#) [Article at Scopus](#)

Comparison of dynamic topography bias in HIROMB and NEMO-Nordic model by utilizing marine geoid

Jahanmard, Vahidreza; Delpeche-Ellmann, Nicole Camille; Ellmann, Artu Geophysical research abstracts 2020 / p. EGU2020-

20134 <https://doi.org/10.5194/egusphere-egu2020-20134>

Computational fluid dynamics simulations of a biomimetic underwater robot

Listak, Madis; Pugal, Deivid; Kruusmaa, Maarja 8th International Workshop on Research and Education in Mechatronics 2007 : 14-15 June 2007, Tallinn, Estonia 2007 / p. 72-77 : ill

Computational fluid dynamics simulations of a biomimetic underwater robot

Listak, Madis; Pugal, Deivid; Kruusmaa, Maarja 13th International Conference on Advanced Robotics : Korea, Jeju, 21-24 August,

2007 2007 / p. 314-319 https://ims.ut.ee/images/d/d4/Listak_icar2007_15_03.pdf

Correlated percolating networks in the thin film of polymeric PEDT/PSS complex as revealed by the mesoscale simulation

Kaevand, Toomas; Kalda, Jaan; Öpik, Andres; Lille, Ülo Macromolecules 2009 / 4, p. 1407-1409 : ill

<https://pubs.acs.org/doi/abs/10.1021/ma802160x>

Depth-dependent hydraulic roughness and its impact on the assessment of hydropeaking

Kopecki, Janina; Schneider, Matthias; Tuhtan, Jeffrey Andrew Science of the total environment 2017 / p. 1597-1605 : ill

<https://doi.org/10.1016/j.scitotenv.2016.10.110>

Determining the Accuracy of Sentinel-3A and Sentinel-6 Satellite Altimetry Data in the Gulf of Finland using a synergy of data : [poster presentation]

Heinoja, Lenne-Liisa; Delpeche-Ellmann, Nicole Camille; Ellmann, Artu The Gulf of Finland Science Days 2021 "New start for the Gulf of Finland co-operation" : Estonian Academy of Sciences, Tallinn, 29-30 November 2021 : abstracts 2021 / p. 45

<https://www.gulfoffinland.fi>

Developments towards deriving realistic dynamic topography by synergizing high-resolution geoid with sea level data = Merepinna realistliku dünaamilise topograafia saavutamise täppisgeoidi ja meretaseme andmestike kooskasutamisel

Jahanmard, Vahidreza 2024 https://www.ester.ee/record=b5649955*est <https://digikogu.taltech.ee/et/Item/3cfc4a1d-ff3c-4366-b26b-86571453f628> <https://doi.org/10.23658/taltech.3/2024>

Digitalization and real-time control to mitigate environmental impacts along rivers: focus on artificial barriers, hydropower systems and European priorities

Quaranta, Emanuele; Bejarano, Maria Dolores; Comoglio, Claudio; Fuentes-Pérez, Juan Francisco; Pérez-Díaz, Juan Ignacio; Sanz-Ronda, Francisco Javier; Schletterer, Martin; Szabo-Meszaros, Marcell; Tuhtan, Jeffrey Andrew Science of the total environment 2023 / 22 p. : ill <https://www.sciencedirect.com/science/article/pii/S0048969723011051> <https://doi.org/10.1016/j.scitotenv.2023.162489>

Does internally generated hydrodynamic noise matter in the Baltic Sea?

Storch, Hans von; Omstedt, Anders; Elken, Jüri 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. 170-171 : ill ["proceedings"](#)

Dynamic of a planing hull in regular waves: Comparison of experimental, numerical and mathematical methods

Tavakoli, Sasan; Bilandi, Rasul Niazmand; Mancini, Simone; De Luca, Fabio; Dashtimanesh, Abbas Ocean engineering 2020 / art. 107959, 24 p. : ill <https://doi.org/10.1016/j.oceaneng.2020.107959> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Dynamic of tunneled planing hulls in waves

Roshan, Fatemeh; Tavakoli, Sasan; Mancini, Simone; Dashtimanesh, Abbas Journal of marine science and engineering 2022 / art. 1038 : ill <https://doi.org/10.3390/jmse10081038> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effect of ice cover on wave statistics and wave-driven processes in the northern Baltic Sea

Najafzadeh, Fatemeh; Kudryavtseva, Nadezhda; Soomere, Tarmo; Giudici, Andrea Boreal environment research 2022 / p. 97-116 : ill <https://www.borenav.net/BER/archive/pdfs/ber27/ber27-097-116.pdf> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Effects of vertical motions on roll of planing hulls

Dashtimanesh, Abbas; Tavakoli, Sasan; Mancini, Simone; Mehr, Javad A.; Milanese, Stefano Journal of offshore mechanics and arctic engineering 2021 / p. 041401–041411 <https://doi.org/10.1115/1.4050210> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Efficiency optimization of mini unmanned multicopter

Penkov, Igor; Aleksandrov, Dmitri International review of aerospace engineering 2017 / p. 277-281 : ill <https://doi.org/10.15866/irease.v10i5.12132>

Examining mean dynamic topography using geodetic and oceanographic approaches for the Baltic Sea

Jahanmard, Vahidreza; Delpeche-Ellmann, Nicole Camille; Ellmann, Artu Nordic Geodetic Commission General Assembly 2022 in Copenhagen : Session 1 - Planet Ocean and Geodesy 2022 / 2 p <https://medialib.cmcdn.dk/medialibrary/010C1367-E991-4A33-AB10-1953247E9C23/66B785FC-3925-ED11-84B6-00155D0B0940.pdf> <https://www.conferencemanager.dk/nkg-2022/sessions>

Examining the performance of along track multi-mission satellite altimetry – a case study for Sentinel-6

Heinoja, Lenne-Liisa; **Delpeche-Ellmann, Nicole Camille; Ellmann, Artu** Journal of geodetic science 2023 / art. 20220159 <https://doi.org/10.1515/jogs-2022-0159>

Fish under pressure : Examining behavioural responses of Iberian barbel under simulated hydropeaking with instream structures

Costa, Maria Joao; **Fuentes-Pérez, Juan Francisco;** Boavida, Isabel; **Tuhtan, Jeffrey Andrew;** Pinheiro, Antonio N. PLoS ONE 2019 / art. e021111525, 25 p. : ill <https://doi.org/10.1371/journal.pone.0211115> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Flow sensing and pumping using flexible permanent magnet beams

Kruusing, Arvi; Mikli, Valdek Sensors and actuators 1996 / p. 59-64

Flow sensing with pressure sensor-based artificial lateral lines : from the laboratory to the field = Veevoolu tajumine rõhusensoritel baseeruvate küljejooneanduritega : laborist välikatseteni

Fuentes-Pérez, Juan Francisco 2019 <https://digi.lib.ttu.ee/i/?12014>

Fluid body interaction of biomimetic underwater robots = Biomimeetiliste robotite ja vedeliku vastasmõju

Toming, Gert 2017 <https://digi.lib.ttu.ee/i/?7304>

Formation number of vortex rings

Danaila, Ionut; **Kaplanski, Felix;** Sazhin, Sergei Vortex Ring Models 2021 / p. 121-139 https://doi.org/10.1007/978-3-030-68150-0_6 [Article collection metrics at Scopus](#) [Article at Scopus](#)

Free fall water entry of a two-dimensional asymmetric wedge in oblique slamming : a numerical study

Hosseinzadeh, Saeed; Izadi, Mohammad; **Tabri, Kristjan** ASME 2020 : 39th International Conference on Ocean, Offshore and Arctic Engineering : Vol. 8: CFD and FSI, August 3-7, 2020 : Virtual, Online : proceedings papers 2020 / Paper No: OMAE2020-18645, V008T08A013 ; 8 pages <https://doi.org/10.1115/OMAE2020-18645> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Free-fall water entry of a variable deadrise angle aluminium wedge : an experimental study

Hosseinzadeh, Saeed; Tabri, Kristjan Developments in the Analysis and Design of Marine Structures : proceedings of the 8th International Conference on Marine Structures (MARSTRUCT 2021, 7-9 June 2021, Trondheim, Norway) 2021 / 9 p <https://doi.org/10.1201/9781003230373-4> https://www.researchgate.net/publication/355712517_Free-fall_water_entry_of_a_variable_deadrise_angle_aluminum_wedge_an_experimental_study

Hüdrumehaanika alused

Zujev, Mihhail 2014 https://www.ester.ee/record=b3070929*est

Hydraulic modelling of stratified bi-directional flow in a river mouth

Laanearu, Janek; Vassiljev, Anatoli; Davies, Peter A. Engineering and computational mechanics 2011 / p. 207-216 : ill https://www.researchgate.net/publication/259638019_Hydraulic_modelling_of_stratified_bi-directional_flow_in_a_river_mouth

Hydrodynamic characteristics of tunneled planing hulls in calm water

Roshan, Fatemeh; **Dashtimanesh, Abbas;** Bilandi, Rasul Niazmand Brodogradnja : Teorija i praksa brodogradnje i pomorske tehnike 2020 / p. 19-38 : ill <https://hrcak.srce.hr/232081> <https://doi.org/10.21278/brod71102> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hydrodynamic optimization of a relative link lengths for a biomimetic robotic fish

Anton, Mart; Listak, Madis The 15th International Conference on Advanced Robotics : Tallinn, Estonia, June 20-23, 2011 2011 / p. 530-535 : ill

Hydrodynamical analysis of ice floods

Kivisild, Hans R. International Association for Hydraulic Research : 8th Congress, Montreal, August 24-29, 1959 1959 / p. 23-F-1 - 23-F-30: ill

Hydrodynamical and geological investigations of possible deep harbour sites in north-western Saaremaa Island : overview and conclusions

Elken, Jüri; Kask, Jüri; Kõuts, Tarmo; Liiv, Uno; Perens, Rein; Soomere, Tarmo Proceedings of the Estonian Academy of Sciences. Engineering 2001 / 2, p. 85-98

Hydrodynamics as a limiting factor in the development of the Baltic Sea ecosystem

Aitsam, Ain Ecohydrodynamics : Proceedings of the 12th International Liège Colloquium on Ocean Hydrodynamics 1981 / p. 165-189 [https://doi.org/10.1016/S0422-9894\(08\)70409-4](https://doi.org/10.1016/S0422-9894(08)70409-4)

Hydromorphological classification using synchronous pressure and inertial sensing

Ristolainen, Asko; Kalev, Kaia; Tuhtan, Jeffrey Andrew; Kuusik, Alar; Kruusmaa, Maarja IEEE transactions on geoscience and remote sensing 2018 / p. 3222-3232 : ill <https://doi.org/10.1109/TGRS.2018.2795641> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Impact of horizontal eddy-diffusivity on Lagrangian statistics for coastal pollution from a major marine fairway

Viikmäe, Bert; Torsvik, Tomas; Soomere, Tarmo Ocean dynamics 2013 / p. 589-597 : ill

Investigation of different free image analysis software for high-throughput droplet detection

Sanka, Immanuel; Bartkova, Simona; Pata, Pille; Smolander, Olli-Pekka; Scheler, Ott ACS omega 2021 / p. 22625-22634 : ill <https://doi.org/10.1021/acsomega.1c02664> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Investigation of the eddy viscosity for a breaking wave in the surf zone = Turbulentse viskoossusteguri määramine murdlaine piirkonnas ranna-alal

Oldekop, Nelly 2019 <https://digikogu.taltech.ee/et/Item/4bff81c5-ce66-4efb-a833-0ae8e0fbbdd9>

Lithohydrodynamic processes in the Tallinn Bay area = Litohüdrodünaamilised protsessid Tallinna lahe piirkonnas

Kask, Andres 2009 https://www.ester.ee/record=b2508627*est

Marine Technology and Hydrodynamics Research Infrastructure

Estonian research infrastructure roadmap 2019 2019 / p. 16 : ill https://www.ester.ee/record=b5251946*est

Measurement of spontaneous current-induced patch formation processes in the marine surface layer

Giudici, Andrea 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. 246 http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Meretehnoloogia ja hüdrodünaamika teadustaristu

Eesti teadustaristu teekaart 2019 2019 / lk. 16 : ill https://www.ester.ee/record=b5236321*est

Mesoscale physical processes and the related impact on the summer nutrient fields and phytoplankton blooms in the western Gulf of Finland

Pavelson, Juss 2005 https://www.ester.ee/record=b2073510*est

Model and hybrid polystyrenes containing tris(pentafluorophenyl)germanium end groups

Zakharova, Olga; Simonova, Maria; Tarasova, Elvira; Filippov, Alexander; Semchikov, Yuri International journal of polymer analysis and characterization 2009 / 5, p. 454-467 <https://www.tandfonline.com/doi/full/10.1080/10236660903031330>

Modelling of CO2 mass transfer and hydrodynamics in a semi-batch reactor

Velts, Olga; Hautaniemi, Marjaana; Uibu, Mai; Kallas, Juha; Kuusik, Rein; Keemik Journal of international scientific publication : materials, methods & technologies 2010 / 2, p. 68-79 : ill https://www.researchgate.net/publication/284688605_Modelling_of_CO2_mass_transfer_and_hydrodynamics_in_a_semi-batch_reactor

Modelling of unsteady hydrodynamic processes in pipes

Ainola, Leo; Liiv, Uno Symposium on Scale Effects in Modelling Hydraulic Structures, September 3-6, 1984 1984 / 35-1-35-4

Molecular properties of comb-shaped maleimide copolymers in dilute solutions : effect of alkyl side chains

Tarabukina, Elena; Tarasova, Elvira; Filippov, Alexander Polymer Science, Series A 2022 / p. 261-269 <https://doi.org/10.1134/S0965545X22700134> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Numbrilised arvutuskeemid voolamise hüdraulikas

Laanearu, Janek; Piirsalu, Andres 2022 https://www.ester.ee/record=b5525227*est <https://digikogu.taltech.ee/et/Item/33c0c06f-f558-4025-a59b-2bb7b943c95e>

Numerical experiments on matter transport in the Baltic Sea = Aine transpordi numbrilised eksperimendid Läänemeres Väli, Germa 2011 https://www.ester.ee/record=b2700064*est

Numerical modeling study of stratified flow and related air exchange in large-diameter water collection systems
Laanearu, Janek World environmental and water resources congress 2023 : adaptive planning and design in an age of risk and uncertainty 2023 / p. 1161-1174

Observation, parameterization and simulation of turbulent mixing in the Gulf of Finland, the Baltic Sea
Lilover, Madis-Jaak; Stips, Adolf Konrad US/EU-Baltic International Symposium : Ocean observations, ecosystem-based management & forecasting : May 27-29, 2008, Tallinn, Estonia : book of abstracts 2008 / p. 85

On identical traveling-wave solutions of the Kudryashov-Sinelshchikov and related equations
Randrüüt, Merle; Braun, Manfred International journal of non-linear mechanics 2014 / p. 206-211 : ill

Performance of sentinel-3A SAR altimetry retracers: The SAMOSA coastal sea surface heights for the Baltic Sea
Birgiel, Elzbieta; Ellmann, Artu; Delpeche-Ellmann, Nicole Camille Fiducial Reference Measurements for Altimetry : Proceedings of the International Review Workshop on Satellite Altimetry Cal/Val Activities and Applications 2020 / p. 23-32
https://doi.org/10.1007/1345_2019_59

Pikaajaline termohaliinsete väljade simulatsioon Soome lahes
Maljutenko, Ilja TTÜ üliõpilaste teadustööde konkursi kokkuvõtteid : Tipika teaduskonverents, 24. november 2011, Tallinn 2011 / lk. 9-10

Quantification of hydrodynamic model sea level bias utilizing deep learning and synergistic integration of data sources
Jahanmard, Vahidreza; Hordoir, Robinson; **Delpeche-Ellmann, Nicole Camille; Ellmann, Artu** Ocean modelling 2023 / art. 102286 : ill., map <https://doi.org/10.1016/j.ocemod.2023.102286>

Rakenduslik hüdroomehaanika
Laanearu, Janek 2019 https://www.ester.ee/record=b5187522*est

Random forests hydrodynamic flow classification in a vertical slot fishway using a bioinspired artificial lateral line probe
Fukuda, Shinji; **Tuhtan, Jeffrey Andrew; Fuentes-Pérez, Juan Francisco**; Schletterer, Martin; **Kruusmaa, Maarja** Intelligent Robotics and Applications : 9th International Conference, ICIRA 2016, Tokyo, Japan, August 22-24, 2016 : proceedings. Part II 2016 / P. 297-307 : ill http://dx.doi.org/10.1007/978-3-319-43518-3_29

RAPTOR-UAV : real-time particle tracking in rivers using an unmanned aerial vehicle
Thumser, Philipp; Haas, Christian; **Tuhtan, Jeffrey Andrew; Fuentes-Pérez, Juan Francisco; Toming, Gert** Earth surface processes and landforms 2017 / p. 2439-2446 : ill <http://dx.doi.org/10.1002/esp.4199>

Realizing the European Vertical Reference System using model-based hydrodynamic leveling data
Afrasteh, Yosra; Slobbe, D. Cornelis; Sacher, Michael; Verlaan, Maarten G.; **Jahanmard, Vahidreza**; Klees, Robert F.; Guarneri, Henrique; Keyzer, L.; Pietrzak, Jurek R.; Snellen, Martin; Zijl, Firmijn Journal of geodesy 2023 / art. 86 <https://doi.org/10.1007/s00190-023-01778-2>

A revisited verification and validation analysis for URANS simulation of planing hulls in calm water
Bilandi, Rasul Niazmand; Mancini, Simone; Dashtimanesh, Abbas; Tavakoli, Sasan Ocean engineering 2024 / art. 116589
<https://doi.org/10.1016/j.oceaneng.2023.116589>

Robotkalad pandi küljejoone abil navigeerima : [TTÜ biorobotika keskuse leiutisest]
Inseneeria 2013 / lk. 42 : ill

Satellite altimetry performance verified to enhanced hydrodynamic model of the Baltic Sea
Mostafavi, Majid; Delpeche-Ellmann, Nicole Camille; Ellmann, Artu Living Planet Symposium : Bonn, 23-27 May 2022 2022 / 1 p
https://express.converia.de/frontend/index.php?page_id=22633&additions_conferenceschedule_action=detail&additions_conferenceschedule_controller=paperList&pid=66983&hash=2781a43409d1dcbc2374d7818af0d07c0904d92d56f69ccfa7a7a5c1549b986e

Scrutiny of MT-SOFC stack manifold design using CFD
Lawlor, V.; Hochenauer, C.; **Meissner, Dieter** The open fuel cells journal 2012 / [13] p. : ill
<https://benthamopen.com/contents/pdf/TOFCJ/TOFCJ-5-1.pdf>

Self-motion effects on hydrodynamic pressure sensing : Part I. Forward-backward motion
Akanyeti, Otari; **Ježov, Jaas; Kruusmaa, Maarja** Bioinspiration & biomimetics 2013 / p. 1-10 : ill

Shape classification using hydrodynamic detection via a sparse large-scale 2D-sensitive artificial lateral line
Wolf, Ben J.; Pirih, Primož; **Kruusmaa, Maarja**; Van Netten, Sietse M. IEEE Access 2020 / p. 11393 - 11404
<https://doi.org/10.1109/ACCESS.2020.2965316> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Statistics of Lagrangian transport reveals hidden features of velocity fields

Soomere, Tarmo Preventive methods for coastal protection : towards the use of ocean dynamics for pollution control 2013 / p. 283-318 : ill

A study of the sea surface boundary layer dynamics

Davulienė, Lina; Kelpšaitė, Loreta; **Torsvik, Tomas**; 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. 165
http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf

Survetorude hüdrodünaamika probleemid

Koppel, Tiit; Ainola, Leo; Vassiljev, Anatoli Teadusmõtte Eestis. 4, Tehnikateadused. 2 2007 / lk. 33-40 : ill

Synergy of in-situ and hydrodynamic modelling to develop machine learning strategies for dynamic vertical Reference for Maritime and Offshore Engineering

Delpeche-Ellmann, Nicole Camille; Ellmann, Artu XXV/III General Assembly of the International Union of Geodesy and Geophysics (IUGG) 2023 <https://doi.org/10.57757/IUGG23-3653>

Tahkekütuse keevkihtpõletustehnika

Ots, Arvo 2016 https://www.ester.ee/record=b4575896*est

Tarmo Soomere - kirglik teadlane ja madala valulävega kodanik

Keevallik, Sirje Sirp 2017 / lk. 22-23 : fot <http://www.sirp.ee/s1-artiklid/c21-teadus/tarmo-soomere-kirglik-teadlane-ja-madala-valulavega-kodanik/>

The dynamics of bi-directional exchange flows

Adduce, Claudia; De Falco, Maria Chiara; Cuthbertson, Alan; **Laanearu, Janek**; Malcangio, Daniela; **Kaur, Katrin**; Negretti, Eletta; Sommeria, Joel 6th IAHR Europe Congress, Warsaw, Poland : abstract book 2021 / p. 231-232 <http://iahr2020.pl/wp-content/uploads/2021/02/Book-of-Abstracts-15-02-2021.pdf>

The Dynamics of bi-directional exchange flows : implications for morphodynamic change within estuaries

Adduce, Claudia; De Falco, Maria Chiara; Cuthbertson, Alan; **Laanearu, Janek**; **Kaur, Katrin** Trans-national Access in Hydralab+ : proceedings of the Joint User Meeting Bucharest - May 23, 2019 2019 / p. 19-26 : ill <https://hydralab.eu/assets/Proceedings-Hydralab-Joint-User-Meeting-May-23-Bucharest.pdf>

The role of the spatial resolution of a three-dimensional hydrodynamic model for marine transport risk assessment

Andrejev, Oleg; **Soomere, Tarmo**; Sokolov, Alexander; Myrberg, Kai Oceanologia 2011 / p. 309-334 : ill

The use of high-resolution bathymetry for circulation modelling in the Gulf of Finland

Andrejev, Oleg; Sokolov, Alexander; Soomere, Tarmo; Värvi, Rolf; Viikmäe, Bert Estonian journal of engineering 2010 / 3, p. 187-210 : ill https://artiklid.elnet.ee/record=b2156229*est

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

Towards benchmark cases for computational fluid dynamics for casting of fiber concrete

Goidyk, Oksana; Braunbrück, Andres; Marjapuu, Rasmus-Richard; Tuisk, Tanel; Herrmann, Heiko M2D2017 : proceedings of the 7th International Conference on Mechanics and Materials in Design : (Albufeira/Portugal, 11-15 June 2017) 2017 / p. 229-230 : ill https://paginas.fe.up.pt/~m2d/Proceedings_M2D2017/data/papers/Book.pdf

Towards realistic dynamic topography from coast to offshore by incorporating hydrodynamic and geoid models

Jahanmard, Vahidreza; Delpeche-Ellmann, Nicole Camille; Ellmann, Artu Ocean modelling 2022 / art. 102124
<https://doi.org/10.1016/j.ocemod.2022.102124> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

О гидродинамических характеристиках кавитирующего крыла конечного размаха

Динамический крен буксирного судна при рывке буксирного троса

Tšudinov, Sergei; Bökov, Vladimir 1955 https://www.ester.ee/record=b1369890*est <https://digikogu.taltech.ee/et/Item/fea12418-a6fc-4e6c-a076-30ccfb05f17a>

К вопросу о рациональном выборе типа затворов в условиях равнинных рек Советского Союза

Aitsam, Ain 1957 https://www.ester.ee/record=b1362691*est <https://digikogu.taltech.ee/et/Item/2f9e124c-7aee-47e3-8f15-b087dfe56b7e/>

Определение глубины местного размыва в нижнем бьефе сооружений

Paal, Leopold 1959 https://www.ester.ee/record=b1374871*est <https://digikogu.taltech.ee/et/Item/91d81731-9b5c-44ff-9d12-3c560b314d32>

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>

Гашение энергии в нижнем бьефе сооружений в условиях донного режима сопряжения

Paal, Leopold 1957 https://www.ester.ee/record=b1391734*est <https://digikogu.taltech.ee/et/Item/05f9e807-3e89-4557-b99e-43fef1cb9486>

Tsunami runup in narrow bays : the case of Samoa 2009 tsunami

Didenkulova, Irina Natural hazards 2013 / p. 1629-1636 : ill

24 years sea level trend of Gulf of Finland using resampled machine learning satellite altimetry data [Poster presentation]

Mostafavi, Majid; Delpeche-Ellmann, Nicole Camille; Ellmann, Artu The Gulf of Finland Science Days 2021 "New start for the Gulf of Finland co-operation" : Estonian Academy of Sciences, Tallinn, 29-30 November 2021 : abstracts 2021 / p. 64 <https://www.gulfoffinland.fi>

Unsteady hydrodynamics studies in Tallinn Technical University

Liiv, Uno First Baltic-Scandinavian Symposium on Mechanics : abstracts 1990 / p. 37

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

Varbla, Sander; Ellmann, Artu; Delpeche-Ellmann, Nicole Camille Journal of coastal research 2020 / p. 1339-1343 <https://doi.org/10.2112/SI95-257.1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Validation of hydrostatic and non-hydrostatic versions of the hydrodynamical model MIKE 3 applied for the Baltic Sea

Passenko, Jelena; Lessin, Gennadi; Erichsen, Anders Christian; Raudsepp, Urmas Estonian journal of engineering 2008 / 3, p. 255-270 : ill

Validation of marine geoid models by utilizing hydrodynamic model and shipborne GNSS profiles

Varbla, Sander; Ellmann, Artu; Delpeche-Ellmann, Nicole Camille Marine geodesy 2020 / p. 134-162 <https://doi.org/10.1080/01490419.2019.1701153> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Validation of three-dimensional hydrodynamic models in the Gulf of Finland based on a statistical analysis of a six-model ensemble

Myrberg, Kai; Passenko, Jelena US/EU-Baltic International Symposium : Ocean observations, ecosystem-based management & forecasting : May 27-29, 2008, Tallinn, Estonia : book of abstracts 2008 / p. 104-105

Validation of three-dimensional hydrodynamic models of the Gulf of Finland

Myrberg, Kai; Ryabchenko, Vladimir; Raudsepp, Urmas; Passenko, Jelena Boreal environment research 2010 / p. 453-479 : ill

Water circulation in gulf type regions of freshwater influence - the Gulf of Finland and Gulf of Riga = Vee tsirkulatsioon poolsuletud magevee mõjualas - Soome lahes ja Liivi lahes

Maljutenko, Ilja 2019 <https://digi.lib.ttu.ee/i/?12438>

The vortex ring problem

Danaila, Ionut; Kaplanski, Felix; Sazhin, Sergei Vortex Ring Models 2021 / p. 1-15 https://doi.org/10.1007/978-3-030-68150-0_1 [Article collection metrics at Scopus](#) [Article at Scopus](#)

Гидродинамика двухфазного потока в трубе вентури

Pikkov, Lui; Siirde, Enno Сборник статей по химии и химической технологии. 10 1964 / с. 139-150 : илл https://www.ester.ee/record=b2181961*est <https://digikogu.taltech.ee/et/Item/9569e6db-150a-42c8-bf3b-765725dfd969>

Гидродинамика и теплообмен в аппаратах с плотным движущимся слоем зернистого материала : автореферат ... кандидата технических наук (05.14.04)

Кулев, Владимир 1980 http://www.ester.ee/record=b1263050*est

Гидродинамика трехфазного псевдооживленного слоя в узком барботажном канале

Kappo, Jüri; Tearo, Eduard; Uus, Endel XXV студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 21-23 апреля 1981 года : тезисы докладов. Том 2, Автоматика. Энергетика. Механика. Химия 1981 / с. 185-186 https://www.ester.ee/record=b1322629*est

Гидродинамические и массообменные характеристики барботажного биокаталитического реактора

Tearo, Eduard; Uus, Endel Гидродинамика и процессы переноса в биореакторах : сборник научных трудов 1988 / с. [?] https://www.ester.ee/record=b3804288*est

Гидродинамические режимы в массообменном аппарате типа "фонарь"

Munter, Rein; Siirde, Enno Сборник статей по химии и химической технологии. 12 1965 / с. 95-104 : илл
https://www.ester.ee/record=b2182032*est <https://digikogu.taltech.ee/et/Item/cc98a110-70ff-45fd-9a24-57acf33fc031>

Гидродинамические условия аэрации и окислительная способность низконапорного аэротенка

Mölder, Heino; Tepaks, Leo Сборник статей по санитарной технике. 4 1967 / с. 7-34 : илл https://www.ester.ee/record=b2085120*est
<https://digikogu.taltech.ee/et/Item/70078b22-eb0f-463d-b740-5f540d9bbb18>

Гидродинамические характеристики пластинчатых тарелок

Rohumägi, M.; Siirde, Enno Процессы и аппараты химической технологии и технология неорганических веществ. 2 1971 / с. 37-47 : илл https://www.ester.ee/record=b1531303*est <https://digikogu.taltech.ee/et/Item/ae6e2dd0-3320-48ce-b2bc-5254c0336474/>

Гидродинамическое моделирование канализационных очистных сооружений при помощи критериев подобия двухфазных систем

Mölder, Heino; Ostrat, Aime; Paal, Leopold Сборник статей по санитарной технике. 7 1971 / с. 93-97 : илл
https://www.ester.ee/record=b2085078*est <https://digikogu.taltech.ee/et/Item/53c66a62-49cf-4ac1-aac1-10a86184e25f/>

Гидродинамическое сопротивление прямооточного ситчатого аппарата (типа "Фондаль") при нисходящем двухфазном потоке

Munter, Rein; Siirde, Enno Сборник статей по химии и химической технологии. 15 1966 / с. 47-58 : илл
https://www.ester.ee/record=b2182115*est <https://digikogu.taltech.ee/et/Item/55575f8e-02db-404e-8bef-28e158aa260b>

Гидродинамическое сопротивление трубы вентури при двухфазном потоке

Pikkov, Lui; Siirde, Enno Сборник статей по химии и химической технологии. 11 1964 / с. 201-211 : илл
https://www.ester.ee/record=b2181984*est <https://digikogu.taltech.ee/et/Item/958b7e78-6cf4-425c-b75d-b028262eada8>

Исследование гидравлического сопротивления при безнапорном движении жидкости в круглых трубах : диссертация ... кандидата технических наук : 05.278 - гидравлика и инженерная гидрология

Hääl, Kaido 1971 http://www.ester.ee/record=b2252645*est

Исследование гидродинамики и теплообмена в аппаратах с плотным движущимся слоем зернистого материала : диссертация ... кандидата технических наук : 05.14.04 - промышленная теплоэнергетика

Кулев, Владимир 1981 http://www.ester.ee/record=b2398535*est

Исследование гидродинамики и теплообмена в аппаратах с плотным движущимся слоем сернистого материала : автореферат ... кандидата технических наук (05.14.04)

Кулев, Владимир 1981 http://www.ester.ee/record=b1337569*est

Исследование гидродинамики и теплообмена в роторном реакторе для проведения экзотермических реакций в жидкой фазе : автореферат ... кандидата технических наук (05.347)

Zahharov, Juri 1971 http://www.ester.ee/record=b2333980*est

Исследование гидродинамики и теплообмена в роторном реакторе для проведения экзотермических реакций в жидкой фазе : диссертация ... кандидата технических наук

Zahharov, Juri 1970 http://www.ester.ee/record=b2253558*est

Исследование гидродинамических условий аэрации и окислительной способности аэротенка-отстойника БИО-25

Mölder, Heino; Ostrat, Aime Сборник статей по санитарной технике. 8 1972 / с. 3-10 : илл https://www.ester.ee/record=b2085069*est
<https://digikogu.taltech.ee/et/Item/67a1c9b6-c10c-4843-9d90-1f0bf1e601ba>

Исследование мезо- и макротурбулентности Балтийского моря : автореферат ... кандидата физико-математических наук

Astok, Villu 1968 https://www.ester.ee/record=b1531160*est

К вопросу гидродинамики пленочного течения

Vaikla, T.; Mikkal, Valdek; Treimann, Aksel 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. 43 https://www.ester.ee/record=b1379468*est

К вопросу процессов массопередачи в трубчатых пленочных аппаратах

Mikkal, Valdek; Siirde, Enno Республиканская научно-техническая конференция "Массообменные процессы в химической технологии" : тезисы докладов 1969 / с. 32 https://www.ester.ee/record=b1344075*est

Математическая модель гидродинамики реактора кипящего слоя

Rebane, Jüri; Kallas, Juha Труды по электротехнике и автоматике : сборник статей. 12 1974 / с. 137-143 : илл
https://www.ester.ee/record=b2190668*est <https://digikogu.taltech.ee/et/Item/57b94a1f-6879-4443-b6f2-322fd7e53d89>

Многоканальная система накопления гидродинамических данных нестационарных процессов на базе ЕС-9002
Laikots, J.; Lamp, Jürgen; Liiv, Uno Метрология гидрофизических измерений : Тезисы докладов I всесоюзная конференция, 9-11 дек. 1980 г 1980 / с. [?]

О колебаниях трубы при ее гидродинамическом нарушении

Tamm, I.; Liiva, Taivo XXX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР, 8-10 апреля 1986 года : тезисы докладов. Том I, Общественные науки. Физико-математические науки. Строительство. Экономика 1986 / с. 56 https://www.ester.ee/record=b1305540*est

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 исследовании гидродинамики зернистого слоя : (сообщение 1)

Siirde, Enno; Uus, Endel; Paal, Elvi vt. ka Toman, Elvi; Paal, Elvi; Vallikivi, Velda Сборник статей по химии и химической технологии. 7 1961 / с. 278-303 : илл https://www.ester.ee/record=b2181423*est <https://digikogu.taltech.ee/et/Item/96fe478f-2ce7-4109-a862-8d8ad9463f0c>

Параметры крупных волн при двухфазном противоточном пленочном движении жидкости

Treimann, Aksel II республиканская конференция молодых ученых-химиков, 17-19 мая 1977 : тезисы докладов. Часть 2 1977 / с. 58-59 https://www.ester.ee/record=b1308855*est

Сборник статей по санитарной технике

Paal, Leopold; Ainola, Leo; Koppel, Tiit; Lamp, Jürgen; Liiv, Uno; Kask, Endel; Grossschmidt, Gunnar; Vanaveski, Jüri; Sakarias, A.; Karu, Jaan; Remmel, Vööbe; Pall, Virve; Kurisoo, T.; Lääne, Ain; Lõhmussaar, H.; Kirt, Enno; Paulus, Olavi; Loigu, Enn; Velner, Harald-Adam; Saava, Astrid; Ennet, Peeter; Mölder, Heino; Blonskaja, Viktoria; Kõiv, Teet-Andrus 1980 https://www.ester.ee/record=b1263941*est

Современные измерительные средства при гидродинамических исследованиях

Liiv, Uno Гидротехническое строительство : ежемесячный научно-технический журнал 1989 / с. 49-52 https://www.ester.ee/record=b2136666*est

Статическое исследование динамической скорости при равномерном течении жидкости в трубопроводах

Silla, A.; Liiv, Uno XX студенческая научно-техническая конференция вузов Прибалтийских республик, Белорусской ССР и Молдавской ССР : тезисы докладов. Часть 2 1974 / с. 293-294 https://www.ester.ee/record=b1306141*est

Термодинамика самоорганизации циркуляционных движений в жидкости при барботаже

Pikkov, Lui Тезисы докладов всесоюзной конференции "Динамика процессов и аппаратов химической технологии", март 1985 г., г. Воронеж 1985 / с. 88-89

Унос жидкости в колонном аппарате провального типа

Tearo, Eduard; Siirde, Enno Сборник статей по химии и химической технологии. 10 1964 / с. 151-160 : илл https://www.ester.ee/record=b2181961*est <https://digikogu.taltech.ee/et/Item/9569e6db-150a-42c8-bf3b-765725dfd969>