

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>

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 & FLOTAN

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.ester.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

Perkov, 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

Hüdromehaanika 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-a833-0ae8e0fbdd9>

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 arvutusskeemid 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, Germo 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

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 retrackers: 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 kokkuvõtted : Tipika teaduskonverents, 24. november 2011, Tallinn 2011 / lk. 9-10

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

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 hüdromehaanika

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 probleem

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 XXVIII 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; Hermann, 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>