

## Analysing Lagrangian timescales in the Gulf of Finland

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

**Torsvik, Tomas; Herrmann, 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://artiklid.elnet.ee/record=b2740572*est)

## Characteristic properties of different vessel wake signals

**Didenkulova, Irina; Sheremet, Alex; Torsvik, Tomas; Soomere, Tarmo** Journal of coastal research 2013 / p. 213-218 : ill.

## A comparison of the motions of surface drifters with offshore wind properties in the Gulf of Finland, the Baltic Sea

**Delpeche-Ellmann, Nicole Camille; Torsvik, Tomas; Soomere, Tarmo** Estuarine, coastal and shelf science 2016 / p. 154-164 : ill  
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## Data processing and performance testing of a low-cost surface drifter design for use in coastal waters

Torsvik, Tomas Proceedings of the Estonian Academy of Sciences 2016 / p. 58-67 : ill <http://dx.doi.org/10.3176/proc.2016.1.06>  
[https://artiklid.elnet.ee/record=b2760716\\*est](https://artiklid.elnet.ee/record=b2760716*est)

## **Development of a flexible, extendable, and low-cost control unit for surface drifters**

**Giudici, Andrea; Torsvik, Tomas; Soomere, Tarmo** Journal of atmospheric and oceanic technology 2017 / p. 669-677 : ill  
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## **Dispersive and nondispersing 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://doi.org/10.1007/978-3-030-29951-4_3)  
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## **Effects of Eulerian current, Stokes drift and wind while simulating surface drifter trajectories in the Baltic Sea**

Pärn, Ove; Davulienė, Lina; Macias, Diego Moy; **Vahter, Kaimo**; Stips, Adolf; Torsvik, Tomas *Oceanologia* 2023 / art. ?  
<https://doi.org/10.1016/j.oceano.2023.02.001>

## **Examination of the effects of wind induced forcings on surface drifters circulation patterns in the Gulf of Finland**

**Delpeche-Ellmann, Nicole Camille; Torsvik, Tomas** 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. 48 [http://www.bssc2015.lv/wp-content/uploads/2015/07/10th\\_BSSC\\_AbstractBook\\_final.pdf](http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf)

## **Examining surface circulation patterns of the Baltic Sea using satellite data, ocean models and in-situ observations**

**Delpeche-Ellmann, Nicole Camille; Torsvik, Tomas; Soomere, Tarmo** Sentinel-3 for Science Workshop: Abstract Book 2015 / p. 284 [http://seom.esa.int/S3forScience2015/page\\_session28.php](http://seom.esa.int/S3forScience2015/page_session28.php)

## **Far-field vessel wakes in Tallinn Bay**

Parnell, Kevin Ellis; Delpeche, Nicole; Didenkulova, Irina; Dolphin, Tony; Erm, Ants; Kask, Andres; Kelpšaite, 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

## 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.  
<http://dx.doi.org/10.1017/jfm.2014.734>

## **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 surface currents near Cape Kolka in the Gulf of Riga by use of surface drifters**

**Torsvik, Tomas; Viikmäe, Bert** 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. 153 [http://www.bssc2015.lv/wp-content/uploads/2015/07/10th\\_BSSC\\_AbstractBook\\_final.pdf](http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf)

## Lagrangian timescales in the gulf of Finland

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

## **Measurements of wave transformation in the coastal zone**

**Torsvik, Tomas; Didenkulova, Irina; Hemanth, V. V. S. S.** R. 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. 53 [http://www.bssc2015.lv/wp-content/uploads/2015/07/10th\\_BSSC\\_AbstractBook\\_final.pdf](http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf)

## **Modeling of long waves from high speed ferries in coastal waters**

Torsvik, Tomas; **Soomere, Tarmo** Journal of coastal research 2009 / Special issue 56, Proceedings of the 10th International Coastal Symposium ICS 2009. Volume II, p. 1075-1079 : ill

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## **Quantification and characterization of mesoscale eddies with different automatic identification algorithms**

Viikmäe, Bert; **Torsvik, Tomas** Journal of coastal research 2013 / p. 2077-2082 : ill

## **Quantification of the impact of wind for optimising fairways in the Gulf of Finland**

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

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## **Tracks of surface drifters from a major fairway to marine protected areas in the Gulf of Finland**

**Delpeche-Ellmann, Nicole Camille; Torsvik, Tomas; Soomere, Tarmo** Proceedings of the Estonian Academy of Sciences 2015 / p. 226-233 : ill [https://artiklid.elnet.ee/record=b2740528\\*est](https://artiklid.elnet.ee/record=b2740528*est)

## **Variability in spatial patterns of long nonlinear waves from fast ferries in Tallinn Bay**

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