

### **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.einet.ee/record=b2740572\\*est](https://artiklid.einet.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](#)

### **Characteristic properties of different vessel wake signals**

**Didenkulova, Irina; Sheremet, Alex; Torsvik, Tomas; Soomere, Tarmo** Journal of coastal research 2013 / p. 213-218 : ill <https://doi.org/10.2112/SI65-037> <https://bioone.org/journals/journal-of-coastal-research/volume-65/issue-sp1/SI65-037.1/Characteristic-properties-of-different-vessel-wake-signals/10.2112/SI65-037.1.short> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

### **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 <https://doi.org/10.1016/j.ecss.2016.02.009> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **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 <https://doi.org/10.3176/proc.2016.1.06> [https://artiklid.einet.ee/record=b2760716\\*est](https://artiklid.einet.ee/record=b2760716*est) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **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 <https://doi.org/10.1175/JTECH-D-16-0116.1> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **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)

### **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 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 <https://doi.org/10.1007/s10236-013-0615-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **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**

**Viikmäe, Bert; Torsvik, Tomas** 9th International Workshop on Modeling the Ocean (IWMO) : July 3-6, 2017, Yonsei University (Seoul, Korea) : [abstracts] 2017 / p. 30 [http://docs.wxstatic.com/ugd/c8ad40\\_d041d85a16674a4a83f0bfd22351cbf9.pdf](http://docs.wxstatic.com/ugd/c8ad40_d041d85a16674a4a83f0bfd22351cbf9.pdf)

### **Lagrangian timescales in the gulf of Finland**

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

### **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)

### **Optimising fairways in the Gulf of Finland using patterns of surface currents = Laevateede optimeerimine Soome lahel pinnahoovuste mustrite põhjal**

**Viikmäe, Bert** 2014

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

**Viikmäe, Bert; Torsvik, Tomas** Journal of coastal research 2013 / p. 2077-2082 : ill <https://doi.org/10.2112/SI65-351> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

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

**Viikmäe, Bert; Soomere, Tarmo; 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. 151 [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)

**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](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](#)

**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](http://www.bssc2015.lv/wp-content/uploads/2015/07/10th_BSSC_AbstractBook_final.pdf)

**Sõru sadama kai nr 1 pikendamise mõju setete transpordile**

**Männikus, Rain; Torsvik, Tomas; Soomere, Tarmo** 2015 [https://www.ester.ee/record=b4527867\\*est](https://www.ester.ee/record=b4527867*est)

**Temporal scale for nearshore of current-driven pollution in the Gulf of Finland**

**Viikmäe, Bert; Soomere, Tarmo; Torsvik, Tomas** 8th International Workshop on Modeling the Ocean (IWMO 2016) : Bologna, Italy, June 07-10, 2016 : book of abstracts 2016 / p. 23-25

**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) <https://doi.org/10.3176/proc.2015.3.04> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Verification of modelled locations of coastal areas exposed to current-driven pollution in the Gulf of Finland by using surface drifters**

**Viikmäe, Bert; Torsvik, Tomas; Soomere, Tarmo** Proceedings of the Estonian Academy of Sciences 2015 / p. 405-416 : ill [https://artiklid.elnet.ee/record=b2740578\\*est](https://artiklid.elnet.ee/record=b2740578*est) <https://doi.org/10.3176/proc.2015.3S.11> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)