

## **A software platform to collect and store GPS drifter data**

**Giudici, Andrea; Soomere, Tarmo** 2019 European Space Agency Living Planet Symposium 2019 / 1 p  
<https://lps19.esa.int/NikalWebsitePortal/living-planet-symposium-2019/lps19/Speaker>

## **Abstract on the dynamics of the river bulge using satellite imagery and numerical model, case study of Daugava river bulge**

**Soosaar, Edith; Uiboupin, Rivo; Skudra, Maris; Maljutenko, Ilja; Raudsepp, Urmas** 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. 61 [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)

## **Aerial base station assisted cellular communication : performance and trade-off**

**Sharma, Navuday; Kumar, Atul; Alam, Muhammad Mahtab; Jindal, Anish; Imran, Muhammad Ali** IEEE Transactions on Network Science and Engineering 2021 / p. 2765-2779 <https://doi.org/10.1109/TNSE.2021.3052984> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **An investigation of image processing techniques for substrate classification based on dominant grain size using RGB images from UAV**

Arif, Mohammad Shafi M.; Gülch, Eberhard; **Tuhtan, Jeffrey Andrew**; Thumser, Philipp; Haas, Christian International journal of remote sensing 2017 / p. 2639-2661 : ill <http://dx.doi.org/10.1080/01431161.2016.1249309>

## **Analysis of natural background and dredging-induced changes in TSM concentration from MERIS images near commercial harbours in the Estonian coastal sea**

**Siitam, Laura; Siitam, Laura vt ka Raag, Laura; Raag, Laura vt ka Siitam, Laura; Uiboupin, Rivo; Sipelgas, Liis** 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. 126 [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)

## **Analysis of natural background and dredging-induced changes in TSM concentration from MERIS images near commercial harbours in the Estonian coastal sea**

**Siitam, Laura; Sipelgas, Liis; Uiboupin, Rivo** Sentinel-3 for Science Workshop: Abstract Book 2015  
[http://seom.esa.int/S3forScience2015/page\\_session28.php](http://seom.esa.int/S3forScience2015/page_session28.php)

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

**Najafzadeh, Fatemeh; Kudryavtseva, Nadezhda; Soomere, Tarmo** 7th IEEE/OES Baltic Symposium Clean and Safe Baltic Sea and Energy Security for the Baltic countries : abstract book, 12-15 June 2018, Klaipėda, Lithuania 2018 / p. 50  
[http://balticvalley.lt/baltic2018/wp-content/uploads/2018/06/abstract-book\\_7th\\_Baltic-Symposium\\_20180528.pdf](http://balticvalley.lt/baltic2018/wp-content/uploads/2018/06/abstract-book_7th_Baltic-Symposium_20180528.pdf)

## **Application of remote sensing methods for the investigation of spatio-temporal variability of sea surface temperature and chlorophyll fields in the Gulf of Finland = Kaugseire rakendused merepinna temperatuuri ja klorofüllü väljade ajalis-ruumilise muutlikkuse uurimiseks Soome lahes**

**Uiboupin, Rivo** 2013 [https://www.ester.ee/record=b2909640\\*est](https://www.ester.ee/record=b2909640*est)

## **Application of satellite data for monitoring the marine environment**

**Sipelgas, Liis** 2006 <https://digi.lib.ttu.ee/?95> [https://www.ester.ee/record=b2146053\\*est](https://www.ester.ee/record=b2146053*est)

## **Arukas droon lennutas kohale pitsa ja teeb keskkonnaressursside seiret**

Mente et Manu 2019 / lk. 31 : fot [https://www.ttu.ee/public/m/mente-et-manu/MM\\_05\\_2019/mobile/index.html](https://www.ttu.ee/public/m/mente-et-manu/MM_05_2019/mobile/index.html)  
[https://www.ester.ee/record=b1242496\\*est](https://www.ester.ee/record=b1242496*est)

## **Assessing the Baltic Sea water quality with sentinel-3 OLCI imagery**

Kutser, Tiit; Soomets, Tuuli; Toming, Kaire; **Uiboupin, Rivo; Arikas, Age; Vahter, Kaimo**; Paavel, Birgot 7th IEEE/OES Baltic Symposium Clean and Safe Baltic Sea and Energy Security for the Baltic countries : abstract book, 12-15 June 2018, Klaipėda, Lithuania 2018 / p. 43 [http://balticvalley.lt/baltic2018/wp-content/uploads/2018/06/abstract-book\\_7th\\_Baltic-Symposium\\_20180528.pdf](http://balticvalley.lt/baltic2018/wp-content/uploads/2018/06/abstract-book_7th_Baltic-Symposium_20180528.pdf)

## **Assessing the Baltic Sea Water Quality with Sentinel-3 OLCI Imagery**

Kutser, Tiit; Soomets, Tuuli; Toming, Risto; **Uiboupin, Rivo; Arikas, Age; Vahter, Kaimo**; Paavel, Birgot 2018 IEEE/OES Baltic International Symposium (BALTIC 2018) : Klaipėda, Lithuania 12 - 15 June 2018 2018 / p. 52-57 : ill  
<https://doi.org/10.1109/BALTIC.2018.8634849>

## **Assessment of along-normal uncertainties for application to terrestrial laser scanning surveys of engineering structures**

**Mill, Tarvo; Ellmann, Artu** Survey review 2019 / p. 1-16 : ill <https://doi.org/10.1080/00396265.2017.1361565> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **CGI Eesti kosmose ärisuuna juhi Sille Kraami soovitus noortele : tehke suure kirega seda, millesse usute**

Kraam, Sille forte.delfi.ee 2024 [GI Eesti kosmose ärisuuna juhi Sille Kraami soovitus noortele: tehke suure kirega seda, millesse usute](#)

## **CGI Eesti kosmosevaldkonna juht Martin Jüssi: alati on võimalik veel kaugemale ja kõrgemale jõuda**

Saluveer, Helen forte.delfi.ee 2023 [CGI Eesti kosmosevaldkonna juht Martin Jüssi: alati on võimalik veel kaugemale ja kõrgemale jõuda](#)

**Characterization of ice cover extent from MODIS imagery during different winter scenarios in the Gulf of Riga, Baltic Sea**  
**Siitam, Laura; Uiboupin, Rivo; Sipelgas, Liis** 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. 127 [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)

**Comparison of system identification methods applied to analysis of inter-area modes [Online resource]**

**Tuttelberg, Kaur; Kilter, Jako; Uhlen, Kjetil** Proceedings of IPST 2017 2017 / art. 17IPST121, p. 1-6 : ill [http://www.ipstconf.org/Proc\\_IPST2017.php](http://www.ipstconf.org/Proc_IPST2017.php)

**COMSPECT : a compact model for green vegetation reflectance spectra in the 400–900 nm wavelength range**

**Udal, Andres; Jürise, Martin; Kaugerand, Jaanus; Sell, Raivo** Proceedings of the Estonian Academy of Sciences 2020 / p. 277-286 : ill <https://doi.org/10.3176/proc.2020.4.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Condition monitoring of electrical machines and its relation to industrial internet**

**Belahcen, Anouar; Gyftakis, Konstantinos N.; Martinez, Javier; Climente-Alarcon, Vicente; Vaimann, Toomas** 2015 IEEE Workshop on Electrical Machines Design, Control and Diagnosis (WEMDCD) : proceedings : Castello del Valentino, Torino, Italy, 26-27 March, 2015 2015 / p. 233-241 : ill <http://dx.doi.org/10.1109/WEMDCD.2015.7194535>

**Covering an unknown area with an RFID-enabled robot swarm**

**Puusepp, Andres; Tammet, Tanel;** Reilent, Enar Mechanical design and power engineering 2014 / p. 1157-1162

**CROW2 : Internet of humans-based platform for disaster relief and emergency communication**

Ben Arbia, Dhafer; **Alam, Muhammad Mahtab;** Attia, Rabah; Ben Hamida, Elyes; Kadri, Abdullah 14th IEEE Annual Consumer Communications & Networking Conference, CCNC 2017 : Las Vegas, NV, USA, January 8-11, 2017 2017 / p. 578-579 : ill <https://doi.org/10.1109/CCNC.2017.7983174>

**Customized warning system for the lowering of driving performances in older drivers**

Arikan, Kutluk; Arndt, Holger; **Pashkevich, Anton** European Interdisciplinary Conference "Ageing and Safe Mobility", 27./28.11.2014, Bergisch-Gladbach 2014 / [9] p. : ill

**Daily usage and efficiency of remote home monitoring in hypertensive patients over a one-year period**

Port, Kristjan; **Palm, Kaia; Viigimaa, Margus** Journal of telemed telecare 2005 / 1, p. 34-36 <https://pubmed.ncbi.nlm.nih.gov/16035987/>

**A data-fusion technique for forecasting of absolute sea levels in the Baltic Sea**

**Rajabi-Kiasari, Saeed; Delpeche-Ellmann, Nicole Camille; Ellmann, Artu** 2023 Machine Learning And Data Analysis In Oceanography, University of Liège, Belgium 2023 [A data-fusion technique for forecasting of absolute sea levels in the Baltic Sea](#)

**Defining the extent of coastal zone for ecosystem-based management**

**Lessin, Gennadi; Raudsepp, Urmas** US/EU-Baltic International Symposium : Ocean observations, ecosystem-based management & forecasting : May 27-29, 2008, Tallinn, Estonia : book of abstracts 2008 / p. 84

**Developing benthic monitoring programmes to support precise and representative status assessments: a case study from the Baltic Sea**

Nygaard, Henrik; Lindegarth, Mats; Darr, Alexander; Dinesen, Grete E.; Eigaard, Ole R.; **Lips, Inga** Environmental monitoring and assessment 2020 / p. 1-18 : ill <https://doi.org/10.1007/s10661-020-08764-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Eesti sildade kontroll satelliitide abil**

**Sein, Sander** Teeleht 2017 / lk. 14-15 : ill [https://www.mnt.ee/sites/default/files/road\\_paper\\_pdf/\\_teeleht\\_25\\_07.pdf](https://www.mnt.ee/sites/default/files/road_paper_pdf/_teeleht_25_07.pdf)  
[http://www.ester.ee/record=b1073043\\*est](http://www.ester.ee/record=b1073043*est)

**Ehitustegevuse kaardistamine kaugseirega**

**Puust, Raido** Horisont 2020 / lk. 49-53 : fot [https://www.ester.ee/record=b1072243\\*est](https://www.ester.ee/record=b1072243*est)

**Ei julge päikesepaneelidesse investeerida? Unikaalne tehnoloogia lahendab selle ja veel mitu teist muret [Võrguväljaanne]**

digipro.geenius.ee 2022 ["Ei julge päikesepaneelidesse investeerida? Unikaalne tehnoloogia lahendab selle ja veel mitu teist muret"](#)

**Enhancement of Unmanned Aerial Vehicle photogrammetry by high-resolution airborne laser scanning data [Electronic resource]**

**Julge, Kalev; Ellmann, Artu** 26th IUGG General Assembly 2015 : Prague, Czech Republic, Prague Congress Centre, June 22-July 02, 2015 2015 / [1] p

**Estonian researchers develop a remote flood sensing service [Võrguväljaanne]**

Tambur, Silver estonianworld.com 2021 ["Estonian researchers develop a remote flood sensing service"](#)

### **Examining the performance of the sentinel-3 coastal altimetry in the Baltic Sea using a regional high-resolution Geoid model**

Birgiel, Elzbieta; **Ellmann, Artu; Delpeche-Ellmann, Nicole Camille** 2018 Baltic Geodetic Congress : BGC Geomatics, Olsztyn, Poland, 21-23 June, 2018 : proceedings 2018 / p. 196–201 : ill <https://doi.org/10.1109/BGC-Geomatics.2018.00043>

### **Exploring sea surface heights by using airborne laser scanning**

**Julge, Kalev; Gruno, Anti; Ellmann, Artu;** Liibusk, Aive; Oja, Tõnis 2014 IEEE/OES Baltic International Symposium : 26-29 May 2014, Tallinn, Estonia : [proceedings] 2014 / [7] p. : ill

### **Exploring sea surface heights by using airborne laser scanning**

**Julge, Kalev; Gruno, Anti; Ellmann, Artu;** Oja, Tõnis; Liibusk, Aive Measuring and Modeling of Multi-Scale Interactions in the Marine Environment : IEEE/OES Baltic Symposium 2014, May 26.-29.2014, Tallinn, Estonia : book of abstracts 2014 / p. 50

### **Fast shoreline erosion induced by ship wakes in a coastal lagoon : field evidence and remote sensing analysis**

Zaggia, Luca; Lorenzetti, Giuliano; Manfe, Giorgia; **Soomere, Tarmo** PLoS ONE 2017 / art. e0187210, p. 1-23 : ill <https://doi.org/10.1371/journal.pone.0187210>

### **4SYS: a PC-based system for production and revision of natural resource inventories based on high resolution satellite data**

Lahi, Toomas GIS-Baltic Sea States '93 : exhibition, conference, Tallinn, Estonia, 29 November - 1 December 1993 : abstract book, catalogue 1993 / p. 27-28

### **Geodetic SAR for Baltic height system unification and Baltic Sea level research : final report**

Gruber, Thomas; Angermann, Detlef; Schlaak, Marius; Oikonomidou, Xanthi; Gisinger, Christoph; Brcic, Ramon; Poutanen, Markku; Marila, Simo; **Ellmann, Artu; Varbla, Sander** 2021 [https://www.asg.ed.tum.de/fileadmin/w00cip/iapg/Baltic/SAR-HSU-FR-0022\\_Final\\_Report.pdf](https://www.asg.ed.tum.de/fileadmin/w00cip/iapg/Baltic/SAR-HSU-FR-0022_Final_Report.pdf)

### **Globally consistent climate sensitivity of natural disturbances across boreal and temperate forest ecosystems**

Seidl, Rupert; Honkaniemi, Juha; Aakala, Tuomas; Aleinikov, Alexey; Angelstam, Per; Bouchard, Mathieu; Boulanger, Yan; Burton, Philip J.; De Grandpré, Louis; Gauthier, Sylvie; Hansen, Winslow D.; Jepsen, Jane U.; Jõgiste, Kalev; Kneeshaw, Daniel D.; Kuuluvainen, Timo; **Lisitsyna, Olga;** Makoto, Kobayashi; Mori, Akira S.; Pureswaran, Deepa S.; Shorohova, Ekaterina; Shubnitsina, Elena; Taylor, Anthony R.; Vladimirova, Nadezhda; Vodde, Floortje; Senf, Cornelius Ecography 2020 / p. 967-978 <https://doi.org/10.1111/ecog.04995> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **GNSS-based water vapor for the global climate observing system**

Dick, G.; Jones, J.; Wang, K.; **Rannat, Kalev** IUGG 2019 : abstract book 2019 / [1] p., abstract: IUGG19-0463 <http://iugg2019montreal.com/abstract-book.html>

### **High-frequency automated observing systems to meet the monitoring and assessment needs in the Baltic Baltic Sea**

**Lips, Urmas; Lips, Inga** Abstracts : [BSSC 2019] 2019 / p. 20 [https://www.su.se/polopoly\\_fs/1.446756.1566224624!/menu/standard/file/abstracts\\_A5\\_ny.pdf](https://www.su.se/polopoly_fs/1.446756.1566224624!/menu/standard/file/abstracts_A5_ny.pdf)

### **Home based monitoring system with wireless sensors that confirm stable balance and motor function readings during remission is feasible for patients with multiple sclerosis**

**Gross-Paju, Katrin;** Maamägi, Heigo; Reilent, Enar; **Kuusik, Alar** Journal of the neurological sciences 2017 / p. 436 <https://doi.org/10.1016/j.jns.2017.08.3444>

### **Hyperspectral camera with polarized filter as modern supersensor device for cyber-physical systems [Online resource]**

**Jürise, Martin; Udal, Andres; Kaugerand, Jaanus; Sell, Raivo** BEC 2018 : 2018 16th Biennial Baltic Electronics Conference (BEC) : proceedings of the 16th Biennial Baltic Electronics Conference, October 8-10, 2018 2018 / 4 p.: ill <https://doi.org/10.1109/BEC.2018.8600957>

### **Hyperspectral data processing and interpretation in remote sensing based on laser-induced fluorescence method = Hüperspektraalse andmete analüüs ja tõlgendamise kaugseires laser-induced-fluorescence-meetodi põhjal** **Sobolev, Innokenti** 2014

### **Hyperspectral image band selection using pooling**

**Liyanage, Dhanushka Chamara; Hudjakov, Robert; Tamre, Mart** 15th International Conference Mechatronic Systems and Materials : MSM'2020 : The book of selected, peer reviewed papers presented at the 15th International Conference Mechatronic Systems and Materials MSM'2020, July 1-3, 2020, Bialystok, Poland 2020 <https://doi.org/10.1109/MSM49833.2020.9201714>

### **Intelligent kitchen model for smart homes**

**Vu, Trieu Minh; Khanna, Riva** Proceedings of the 11th International Conference of DAAAM Baltic Industrial Engineering : 20-22th April 2016, Tallinn, Estonia 2016 / p. 203-208 : ill <http://innomet.ttu.ee/daaam/>

**Kaugseire andmete kasutuselevõtt avalike teenuste väljatöötamisel ja arendamisel. Lisa 4, Ehitustegevuse planeerimine ja järelevalve : lõpparuanne**

**Puust, Raido; Varbla, Sander** 2020 <https://doi.org/10.23673/re-254>

**Kaugseire kui abivahend väikejärvede kohtseire planeerimisel Koiva vesikonna väikejärvede näitel**

**Sipelgas, Liis; Arikas, Age;** Auväärt, Kadri; Altoja, Kristi Kaugseire Eestis 2018 : artiklikogumik 2018 / lk. 23-31 : ill [https://kosmos.ut.ee/sites/default/files/kosmos/kaugseire\\_eestis\\_2018.pdf](https://kosmos.ut.ee/sites/default/files/kosmos/kaugseire_eestis_2018.pdf)

**Kaugseire sügiskoolist Võrus**

**Varbla, Sander** Geodeet 2019 / lk. 59-60 : fot [http://www.ester.ee/record=b1072198\\*est](http://www.ester.ee/record=b1072198*est)

**Keskkonnaagentuuri uudse jääkaardi abil on võimalik jälgida kogu Eesti jääinfot [Võrguväljaanne]**

Tähismaa, Inno lounaestlane.ee 2021 ["Keskkonnaagentuuri uudse jääkaardi abil on võimalik jälgida kogu Eesti jääinfot"](https://www.ester.ee/record=b1072198*est)

**Keskkonnaagentuuril valmis satelliitandmetel põhinev üleujutuste kaugseireteenus**

Kalmus, Kertu saartehaal.postimees.ee 2024 [Keskkonnaagentuuril valmis satelliitandmetel põhinev üleujutuste kaugseireteenus](https://www.ester.ee/record=b1072198*est)

**KESTA alategevuse Eesti veekeskkonna observatoorium (VEEOBS) ülevaade**

Keskkonnakaitse ja -tehnoloogia teadus- ja arendustegevuse programmi teaberaamat 2010-2015 2015 / lk. 20-30 : ill

**Kosmoseriik Eesti**

Pilvinski, Katre Teeleht 2018 / lk. 11-13 : fot [http://www.ester.ee/record=b1073043\\*est](http://www.ester.ee/record=b1073043*est)  
[https://www.mnt.ee/sites/default/files/road\\_paper\\_pdf/teeleht\\_93\\_veb\\_must.pdf](https://www.mnt.ee/sites/default/files/road_paper_pdf/teeleht_93_veb_must.pdf)

**Kosmosest merele vaadates ehk mida sealt on näha ja mis on peidetud**

**Elken, Jüri** Horisont 2013 / lk. 50-55 : ill [https://artiklid.elnet.ee/record=b2618320\\*est](https://artiklid.elnet.ee/record=b2618320*est)

**Kosmosetehnoloogia aitab Tallinna linnal säästa raha**

Vaiksaar, Elis pealinn.ee 2023 [Kosmosetehnoloogia aitab Tallinna linnal säästa raha](https://www.ester.ee/record=b2629856*est)

**Laineparameetrite määramine Läänemeres radariandmete põhjal**

**Rikka, Sander; Uiboupin, Rivo;** Alari, Victor Kaugseire Eestis 2014 : artiklikogumik 2014 / lk. 22-30 : ill

**Liitobjektide identifitseerimisest distantsmeetodil : magistritöö**

**Sullakatko, Toomas** 1992 [https://www.ester.ee/record=b2629856\\*est](https://www.ester.ee/record=b2629856*est)

**Liivi lahe jääolude kaardistamine kaugseireandmete põhjal**

**Raag, Laura; Sipelgas, Liis; Uiboupin, Rivo** Kaugseire Eestis 2014 : artiklikogumik 2014 / lk. 38-46 : ill., kaart

**Maapinnani jõudva päikesekiirguse muutlikkus ultraviolettpiirkonnas**

Eerme, Kalju; Aun, Margit; **Vaštšenko, Aleksei** Kaugseire Eestis 2014 : artiklikogumik 2014 / lk. 156-165 : ill

**Machinery monitoring as a part of higher level systems**

**Snatkin, Aleksei** 13th International Symposium "Topical Problems in the Field of Electrical and Power Engineering." Doctoral School of Energy and Geotechnology II : Pärnu, Estonia, January 14-19, 2013 2013 / p. 285-288 : ill

**Mapping water quality parameters with Sentinel-3 ocean and land colour instrument imagery in the Baltic Sea**

Toming, Kaire; Kutser, Tiit; **Uiboupin, Rivo; Arikas, Age; Vahter, Kaimo;** Paavel, Birgot Remote sensing Remote Sensing of Water Quality 2017 / art. 1070, 21 p <http://dx.doi.org/10.3390/rs9101070>

**A method for significant wave height estimation from circularly polarized X-Band coastal marine radar images**

**Rikka, Sander; Uiboupin, Rivo; Kõuts, Tarmo; Vahter, Kaimo; Pärt, Siim** IEEE Geoscience and Remote Sensing Letters 2019 / p. 844-848 : ill <https://doi.org/10.1109/LGRS.2018.2886631> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mitmekomponendiliste looduslike vete optilised omadused ja veealune valgusväli : kommentaar Eesti Vabariigi teaduse aastapremia pälvunud tööle**

Arst, Helgi Tallinna Tehnikaülikooli aastaraamat 2004 2005 / lk. 186-198

**Monitoring of harbor dredging using remote sensing and AC-Spectra data**

**Sipelgas, Liis; Raudsepp, Urmas** BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 86

**Monitoring patient movement velocity using passive infrared sensor information**

**Ehala, Johannes; Astapov, Sergei** Info- ja kommunikatsioonitehnoloogia doktorikooli IKTDK seitsmenda aastakonverentsi artiklite

**Multiscale change detection in a supraglacial stream using surface drifters**

**Tuhtan, Jeffrey Andrew; Kruusmaa, Maarja;** Alexander, Andreas; **Fuentes-Pérez, Juan Francisco** River Flow 2020 Proceedings of the 10th Conference on Fluvial Hydraulics (Delft, Netherlands, 7-10 July 2020): River Flow 2020, Online, 7-10 July 2020 / p. 1483-1492 <https://doi.org/10.1201/b22619>

**Multi-source remote sensing data reveals complex topsoil organic carbon dynamics in coastal wetlands**

Villoslada, Miguel; **Sipelgas, Liis;** Bergamo, Thaísa Fernandes; Ward, Raymond D.; Reintam, Endla; Astover, Alar; Kumpula, Timo; Sepp, Kalev Ecological Indicators 2022 / art. 109329 <https://doi.org/10.1016/j.ecolind.2022.109329> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Network coding for energy efficient transmission in Wireless Body Area Networks**

Talha, Sadaf; Rizwan, Ahmad; Adnan, K. Kiani; **Alam, Muhammad Mahtab** Procedia computer science 2017 / p. 435-440 : ill <https://doi.org/10.1016/j.procs.2017.08.285>

**Observation of mesoscale eddies by using SAR data complemented with optical remote sensing and in situ measurements**

**Uiboupin, Rivo; Laanemets, Jaan** BSSC 2009 : [7th Baltic Sea Science Congress 2009] : August 17-21, 2009, Tallinn, Estonia : abstract book 2009 / p. 28

**Optical and physical properties of coastal water and their relations to radar (ASAR) data - case study of Muuga Bay in the Gulf of Finland**

**Sipelgas, Liis; Raudsepp, Urmas; Uiboupin, Rivo** US/EU-Baltic International Symposium : Ocean observations, ecosystem-based management & forecasting : May 27-29, 2008, Tallinn, Estonia : book of abstracts 2008 / p. 146

**Performance analysis of a compact and low-cost mapping-grade mobile laser scanning system**

**Julge, Kalev;** Vajakas, Toivo; **Ellmann, Artu** Journal of applied remote sensing 2017 / p. 044003-1 - 044003-23 : ill <http://dx.doi.org/10.1117/1.JRS.11.044003>

**Performance evaluation of PD monitoring technique integrated into medium voltage cable network for smart condition assessment**

Shafiq, Muhammad; Lehtonen, Matti; Hussain, Ghulam A.; **Kütt, Lauri** PQ2014 : the 9th International 2014 Electric Power Quality and Supply Reliability Conference (PQ) : June 11-13, 2014, Rakvere, Estonia : proceedings 2014 / p. 351-357 : ill

**Performance of sentinel-3A SAR altimetry retracker: 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](https://doi.org/10.1007/1345_2019_59)

**Portable coastal operational oceanographic system to monitor the harbor-related environmental impacts in Estonia [Electronic resource]**

**Elken, Jüri; Kõuts, Tarmo; Raudsepp, Urmas; Sipelgas, Liis** Proceedings of the USA-Baltic International Symposium "Advances in Marine Environmental Research, Monitoring and Technologies" : Klaipeda, 15-17 June, 2004 2004 / [6] p. [CD-ROM] <https://ieeexplore.ieee.org/document/7296771>

**Quantification of changes in the beach volume by applying an inverse Bruun's Rule and laser scanning technology in Pirita Beach, Tallinn Bay**

**Eelsalu, Maris; Soomere, Tarmo; Julge, Kalev** Climate modelling and impacts from the global to the regional to the urban scale : an international scientific seminar at HafenCity University Hamburg, 10 March 2015 : poster abstracts 2015 / p. 8

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

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

**Radarkaugseire kasutamine Läänemere lainetuse ja tuuleväljade määramiseks**

**Rikka, Sander; Uiboupin, Rivo;** Pleskachevsky, Andrey; **Alari, Victor;** Jacobsen, Sven; **Kõuts, Tarmo** Kaugseire Eestis 2018 : artiklikogumik 2018 / lk. 32-40 : ill [https://kosmos.ut.ee/sites/default/files/kosmos/kaugseire\\_eestis\\_2018.pdf](https://kosmos.ut.ee/sites/default/files/kosmos/kaugseire_eestis_2018.pdf)

**Rahvusvaheline fotogramm-meetria ja kaugseire kongress Prahast**

**Julge, Kalev; Ellmann, Artu** Geodeet 2016 / lk. 84-85 : ill [http://www.ester.ee/record=b1072198\\*est](http://www.ester.ee/record=b1072198*est) [https://artiklid.elnet.ee/record=b2802991\\*est](https://artiklid.elnet.ee/record=b2802991*est)

**Rannaprotsesside anatoomia laserskaneerimise skalpelliga**

**Eelsalu, Maris; Ellmann, Artu; Julge, Kalev; Märdla, Silja; Soomere, Tarmo** Kaugseire Eestis 2014 : artiklikogumik 2014 / lk. 47-58 : ill., kaart

### **Rannaprotsesside seire aerolaserskaneerimise korduvmõõtmistest**

**Gruno, Anti**; Grünthal, Erko; **Ellmann, Artu** XII Eesti Ökoloogiakonverents, Tartu, 18-19 oktoober 2013 2013

### **Real time production monitoring system in SME**

**Snatkin, Aleksei**; **Karjust, Kristo**; **Majak, Jüri**; **Aruväli, Tanel**; Eiskop, Tanel Estonian journal of engineering 2013 / p. 62-75

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

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

### **Resistance developments in Estonia's population of pollen beetles (*Brassicogethes aeneus*)**

**Kann, Liina**; Koppel, Mati; Kaart, Tanel; Islamov, Bulat; Sooväli, Pille; Mäe, Andres Agricultural and Food Science 2021 / p. 166–176 <https://doi.org/10.23986/afsci.108983> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **River bulge evolution and dynamics in a non-tidal sea - Daugava River plume in the Gulf of Riga, Baltic Sea**

**Soosaar, Edith**; **Maljutenko, Ilja**; **Uiboupin, Rivo**; **Skudra, Maris**; **Raudsepp, Urmas** Ocean science 2016 / p. 417-432 : ill <https://doi.org/10.5194/os-12-417-2016>

### **Robust adaptive beamforming for surveillance system using 2D antenna array**

**Tart, Allan**; **Trump, Tõnu** 2014 Tyrrhenian International Workshop on Digital Communications : Enhanced Surveillance of Aircraft and Vehicles TWDC/ESAV : September 15th-16th, 2014, Rome, Italy 2014 / p. 110-115 : ill

### **Satelliitlaimetria andmetel põhineva merepinna kõrguste täpsuse tuvastamine erinevate andmestike koosmõjul**

**Heinoja, Lenne-Liisa**; **Delpeche-Ellmann, Nicole Camille**; **Ellmann, Artu** Geodeet 2022 / lk. 26-30 : ill [http://www.ester.ee/record=b1072198\\*est](http://www.ester.ee/record=b1072198*est)

### **Satellite altimetry reveals spatial patterns of variations in the Baltic Sea wave climate**

**Kudryavtseva, Nadezhda**; **Soomere, Tarmo** Earth System Dynamics 2017 / p. 697-706 : ill <http://doi.org/10.5194/esd-2016-68>

### **Sea level measurements by a low-cost GNSS sensor-equipped marine buoy**

**Koobak, Johanna**; **Varbla, Sander**; **Ellmann, Artu** Nordic Geodetic Commission General Assembly 2022 in Copenhagen : Poster Session 2022 / 37 p <https://medialib.cmcdn.dk/medialibrary/010C1367-E991-4A33-AB10-1953247E9C23/530AEABD-3A25-ED11-84B6-00155D0B0940.pdf>

### **Self-aware fog computing in private and secure spheres**

**Tammemäe, Kalle**; Jantsch, Axel; **Kuusik, Alar**; Preden, Jürjo-Sören; **Õunapuu, Enn** Fog computing in the internet of things : intelligence at the edge 2018 / p. 71-99 : ill [http://www.ester.ee/record=b4692402\\*est](http://www.ester.ee/record=b4692402*est) [https://doi.org/10.1007/978-3-319-57639-8\\_5](https://doi.org/10.1007/978-3-319-57639-8_5)

### **Sentinel satelliitide andmetel põhinev operatiivne jääseireteenus**

**Rikka, Sander**; **Sipelgas, Liis**; **Simon, Martin**; Služenikina, Jekaterina; **Siitam, Laura**; **Uiboupin, Rivo** Kaugseire Eestis 2021 : artiklikogumik 2022 / p. 53-64 [https://sisu.ut.ee/sites/default/files/kaugseire/files/kaugseire\\_eestis\\_2021\\_artiklikogumik\\_1.pdf](https://sisu.ut.ee/sites/default/files/kaugseire/files/kaugseire_eestis_2021_artiklikogumik_1.pdf) <https://kaugseire.ee/2021>

### **Smart sensing and Time of Arrival based location detection in Parking Management Services**

Männi, Urmo BEC 2010 : 2010 12th Biennial Baltic Electronics Conference : proceedings of the 12th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 4-6, 2010, Tallinn, Estonia 2010 / p. 213-214 : ill

### **Smart-bike as one of the ways to ensure sustainable mobility in smart cities**

Makarova, Irina; Shubenkova, Ksenia; **Pashkevich, Anton**; Boyko, Aleksey Sensor Systems and Software : 7th International Conference, S-Cube 2016, Sophia Antipolis, Nice, France, December 1-2, 2016 : revised selected papers 2017 / p. 187-198 [https://doi.org/10.1007/978-3-319-61563-9\\_16](https://doi.org/10.1007/978-3-319-61563-9_16)

### **Spatial variations in the Caspian Sea wave climate in 2002–2013 from satellite altimetry**

**Kudryavtseva, Nadezhda**; Kussembayeva, Kuanysh; Rakisheva, Zaure Bayanovna; **Soomere, Tarmo** Estonian journal of earth sciences 2019 / p. 225-240 : ill <https://doi.org/10.3176/earth.2019.16> [http://www.kirj.ee/public/Estonian\\_Journal\\_of\\_Earth\\_Sciences/2019/issue\\_4/earth-2019-4-225-240.pdf](http://www.kirj.ee/public/Estonian_Journal_of_Earth_Sciences/2019/issue_4/earth-2019-4-225-240.pdf) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Spectral heterogeneity of QuickBird satellite data is related to fine-scale plant species spatial turnover in semi-natural grasslands**

Hall, Karin; **Reitalu, Triin**; Sykes, Martin T.; Prentice, Honor C. Applied vegetation science 2012 / p. 145-157 : ill <https://kirjandus.geoloog.info/reference/34233>

### **Statistical characterization of the sea ice extent during different winter scenarios in the Gulf of Riga (Baltic Sea) using optical remote-sensing imagery**

**Siitam, Laura; Sipelgas, Liis; Pärn, Ove; Uiboupin, Rivo** International journal of remote sensing 2017 / p. 617-638 : ill  
<https://doi.org/10.1080/01431161.2016.1268734>

**Study of the adhesion of explosive residues to the finger and transfer to clothing and luggage**

**Lees, Heidi;** Zapata, Felix; **Vaher, Merike;** García-Ruiz, Carmen Science & Justice 2018 / p. 415-424

<https://doi.org/10.1016/j.scijus.2018.07.002> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**A system of systems solution for perimeter control : combining unmanned aerial system with unattended ground sensor network**

**Kaugerand, Jaanus** Proceedings of the 8th Annual Conference of the Estonian National Doctoral School in Information and Communication Technologies : December 5-6, 2014, Rakvere 2014 / p. 57-60 : ill

**A system of systems solution for perimeter control : combining unmanned aerial system with unattended ground sensor network**

**Kaugerand, Jaanus; Preden, Jürjo-Sören; Suurjaak, Erki; Astapov, Sergei; Mõtus, Leo; Pahtma, Raido** 9th Annual IEEE International Systems Conference : April 13-16, 2015, Vancouver, British Columbia, Canada : proceedings 2015 / p. 317-323 : ill

<https://doi.org/10.1109/SYSCON.2015.7116770>

**TalTechi tarkvarateaduse instituut sai uue rakendusliku masinõppe professori**

Kald, Indrek it uudised.ee 2023 [TalTechi tarkvarateaduse instituut sai uue rakendusliku masinõppe professori](#)

**TalTechi teadlased hakkavad välja töötama üleujutuste kaugseire teenust [Võrguteavik]**

keskkonnatehnika.ee 2021 ["TalTechi teadlased hakkavad välja töötama üleujutuste kaugseire teenust"](#)

**The ice seasons severity by the ice extents sum on the Baltic Sea during 1982-2015**

**Pärn, Ove; Rjazin, Jevgeni; Uiboupin, Rivo** 1st Baltic Earth Conference Multiple Drivers for Earth System Changes in the Baltic Sea Region : Nida, Curonian Spit, Lithuania, 13-17 June 2016 : conference proceedings 2016 / p. 151-152 : ill [http://www.baltic-earth.eu/events/nida2016/material/BalticEarth\\_Nida2016\\_Proceedings.pdf](http://www.baltic-earth.eu/events/nida2016/material/BalticEarth_Nida2016_Proceedings.pdf)

**Upwelling parameters from bias-corrected composite satellite SST Maps in the Gulf of Finland (Baltic Sea)**

**Uiboupin, Rivo; Laanemets, Jaan** IEEE Geoscience and Remote Sensing Letters 2015 / p. 592-596

<https://doi.org/10.1109/LGRS.2014.2352397>

**Upwelling related dynamics from bias-corrected satellite SST maps in the Gulf of Finland**

**Uiboupin, Rivo; Laanemets, Jaan** 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. 164 [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)

**Utilising airborne laser scanning and geoid model for examining marine processes**

**Varbla, Sander; Ellmann, Artu; Delpeche-Ellmann, Nicole Camille** Abstracts : [BSSC 2019] 2019 / p. 166

[https://www.su.se/polopoly\\_fs/1.446756.1566224624!/menu/standard/file/abstracts\\_A5\\_ny.pdf](https://www.su.se/polopoly_fs/1.446756.1566224624!/menu/standard/file/abstracts_A5_ny.pdf)

**Uudne nutikas poi aitab uurida merejää ja lainetuse vastasmõju**

**Alari, Victor** Horisont 2023 / lk. 24-28 : fot [https://www.ester.ee/record=b1072243\\*est](https://www.ester.ee/record=b1072243*est)

**Uudse jääkaardi abil on võimalik jälgida kogu Eesti jääinfot [Võrguväljaanne]**

Soopan, Ivar rohe.genius.ee 2021 ["Uudse jääkaardi abil on võimalik jälgida kogu Eesti jääinfot"](#)

**Validation of multi-mission satellite altimetry for the Baltic Sea region**

**Kudryavtseva, Nadezhda; Soomere, Tarmo; Giudici, Andrea** Geophysical research abstracts 2016 / p. EGU2016-5571

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

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

<http://dx.doi.org/10.3176/earth.2016.13> [https://artiklid.elnet.ee/record=b2802414\\*est](https://artiklid.elnet.ee/record=b2802414*est)

**Validation of the Sentinel-3A SRAL altimeter data for the coastal waters of the Baltic Sea**

**Delpeche-Ellmann, Nicole Camille; Ellmann, Artu; Birgiel, Elzbieta** IUGG 2019 : abstract book 2019 / [1] p., abstract: JM09p-113

<http://iugg2019montreal.com/abstract-book.html>

**Variations in the wave climate of the Baltic Sea in the last 25 years from satellite altimetry**

**Kudryavtseva, Nadezhda; Soomere, Tarmo** Geophysical research abstracts 2016 / p. EGU2016-5589

**Viruses of poaceae in Estonia identified by using the next generation sequencing [Online resource]**

**Sõmera, Merike; Gantsovski, Mark; Akkermann, Anna; Aun, Erki; Truve, Erkki** Environmental adaptation : from molecules to the planet : the Estonian Centre of Excellence in Environmental Adaptation ENVIRON. Final conference : October 1-3, 2015, Dorpat Conference Centre, Tartu, Estonia : abstract book 2015 / p. 56

[http://environ.emu.ee/userfiles/environ/Abstract\\_Book\\_ENVIRON%20final%20conference%202015.pdf](http://environ.emu.ee/userfiles/environ/Abstract_Book_ENVIRON%20final%20conference%202015.pdf)

**Космические технологии помогают Таллинну экономить деньги**

Stolitsa.ee 2023 [Космические технологии помогают Таллинну экономить деньги](#)

**Полезная новинка: с помощью ледовой карты можно отслеживать состояние льда на водоемах Эстонии [Online resource]**

rus.delfi.ee 2021 ["Полезная новинка: с помощью ледовой карты можно отслеживать состояние льда на водоемах Эстонии"](#)