

**Geodetic SAR for height system unification and sea level research - observation concept and preliminary results in the Baltic Sea**

Gruber, Thomas; Agren, Jonas; Angermann, Detlef; **Ellmann, Artu**; Engfeldt, Andreas; Gisinger, Christoph; Jaworski, Leszek; **Varbla, Sander** Remote sensing 2020 / art. 3747, 30 p. : ill <https://doi.org/10.3390/rs12223747> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Geodetic SAR for height system unification and sea level research-results in the Baltic Sea test network**

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**Long term interferometric temporal coherence and DInSAR phase in northern peatlands**

Tampuu, Tauri; Praks, Jaan; **Uiboupin, Rivo**; Kull, Ain Remote Sensing 2020 / Art. 1566 <https://doi.org/10.3390/rs12101566> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mapping flood extent and frequency from Sentinel-1 imagery during the extremely warm winter of 2020 in boreal floodplains and forests**

**Sipelgas, Liis; Aavaste, Age; Uiboupin, Rivo** Remote sensing 2021 / art. 4949, 17 p. : ill., map <https://doi.org/10.3390/rs13234949> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Mapping recurrent flooding zone along Estonian inland waters from Sentinel-1 and-2**

**Sipelgas, Liis; Aavaste, Age; Uiboupin, Rivo** International archives of the photogrammetry, remote sensing and spatial information sciences 2020 / p. 627-632 <https://doi.org/10.5194/isprs-archives-XLIII-B3-2020-627-2020> [Conference proceedings at Scopus](#) [Article at Scopus](#)

**Meteo-marine parameters from Sentinel-1 SAR imagery : towards near real-time services for the Baltic Sea**

**Rikka, Sander**; Pleskachevsky, Andrey; Jacobsen, Sven; **Alari, Victor; Uiboupin, Rivo** Remote sensing 2018 / art. 757, 17 p. : ill <https://doi.org/10.3390/rs10050757> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Methodology for mapping flood extent on Estonian floodplains**

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**Sentinel-1 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>