

Air exchange of the hydraulic system with water-drag-driven dynamics

Laanearu, Janek Proceedings 39th IAHR World Congress 2022 / p. 1797-1803 <https://doi.org/10.3850/IAHR-39WC2521711920222003>

An assessment framework for evaluating the digitalisation potential of stormwater management and monitoring in small- and medium-sized water utilities

Suits, Kristjan; Annus, Ivar; Kändler, Nils; Kaur, Katrin; Kõiv, Kerta; Arm, Liisi; Barndöck, Helen Urban Water Journal 2025
<https://doi.org/10.1080/1573062X.2025.2511810>

Automatic calibration toolbox for SWMM5

Vassiljev, Anatoli; Suits, Kristjan; Kaur, Katrin; Kändler, Nils; Truu, Murel; Annus, Ivar Advances in engineering software 2023 / art. 103528 <https://doi.org/10.1016/j.advengsoft.2023.103528> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Doktoritöö näitab, kuidas päästa linnatänavad uputustest [Võrguväljaanne]

postimees.ee 2021 "[Doktoritöö näitab, kuidas päästa linnatänavad uputustest](#)"

Doktoritöö: liigsest vihmaveest aitaks vabaneda tark veetorustik [Võrguväljaanne]

Oidermaa, Jaan-Juhan novaator.err.ee 2021 "[Doktoritöö: liigsest vihmaveest aitaks vabaneda tark veetorustik](#)"
<https://digikogu.taltech.ee/et/Item/f02a02b2-da6e-4341-a69c-eba8d029e433>

Dynamic processes of air-water flows in urban water systems = Õhu ja vee koosvoolamise dünaamilised protsessid linna veesüsteemides

Kaur, Katrin 2022 <https://doi.org/10.23658/taltech.68/2022> <https://digikogu.taltech.ee/et/Item/0a655a67-74aa-457e-8640-e7b3ab212695>
https://www.ester.ee/record=b5527832*est

Eesti linnad ja põllumehed peavad harjuma üha tugevamate vihmasadudega

Piir, Rait novaator.err.ee 2025 <https://novaator.err.ee/1609644656/eesti-linnad-ja-pollumehed-peavad-harjuma-uha-tugevamate-vihmasadudega>

Eesti valmistub rohepöördeks maju soojustades [Võrguväljaanne]

Tiks, Joosep epl.delfi.ee 2021 "[Eesti valmistub rohepöördeks maju soojustades](#)"

Eesti vete isotoopkoostis

Vaikmäe, Rein Eesti Geograafia Seltsi aastaraamat = Yearbook of the Estonian Geographical Society. 47. kd 2024 / lk. 36-46
https://www.ester.ee/record=b1237665*est https://www.ester.ee/record=b4668698*est

Enhanced automatic calibration toolbox for SWMM5

Proceedings of the Eleventh International Conference on Engineering Computational Technology 2022 / Paper 14.1
<https://doi.org/10.4203/ccc.2.14.1>

Geoanalytical method for linking base wastewater flows with a sanitary sewer model

Kändler, Nils; Annus, Ivar; Kaur, Katrin; Koor, Margus Urban water journal 2025 / p. 109-120
<https://doi.org/10.1080/1573062X.2024.2445119>

Hydrogeological assumptions for stormwater management in Tallinn

Perens, Rein; Käär, Arvo; Raukas, Anto Baltica 2020 / p. 71-84 <https://doi.org/10.5200/baltica.2020.1.7> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Insights gained from stormwater e-monitoring in Viimsi, Estonia

Suits, Kristjan; Rajarao, Gunaratna K.; Kändler, Nils; Vassiljev, Anatoli; Annus, Ivar CEST Proceedings 2023 / 4 p
<https://doi.org/10.30955/gnc2023.00303>

Integrating drone-captured sub-catchment topography with multiphase CFD modelling to enhance urban stormwater management

Kaur, Katrin; Annus, Ivar; Truu, Murel; Kändler, Nils; Paalmäe, Iris The 3rd International Joint Conference on Water Distribution Systems Analysis & Computing and Control for the Water Industry (WDSA/CCWI 2024) 2024 / art. 31
<https://doi.org/10.3390/engproc2024069031> Conference proceedings at Scopus Article at Scopus

Kui teadlased Tartu viaduktini jõudsid, oli piirkond juba veeuputuse alla jäänud

Leitmaa, Dannar Õhtuleht 2024 / lk. 4-5 <https://dea.digar.ee/article/ohutuleht/2024/08/10/2.13>

Measurements of atmospheric precipitable water by ground-based GPS receivers along the Struve-Tenner Meridian Arc

Rannat, Kalev; Kivi, Rigel; Uba, Peep Toulouse Space Show'10 : Toulouse, France, 8-11 Juny, 2010 : proceedings 2010 / [7] p

Mida teha, kui tänavad muutuvad mägijõgedeks? Probleemile otsib lahendust NOAH

Vill, Ants Director. Inseneeria 2020 / lk. 54-57 : fot http://www.ester.ee/record=b2336521*est <https://director.ee/2020/05/28/mida-teha-kui->

Miks on sademevesi linnades probleem?

Merisaar, Maret Eesti Loodus 2015 / lk. 29 http://www.eestiloodus.ee/arhiiv/Eesti_Loodus05_2015.pdf
http://www.ester.ee/record=b1072059*est

Modelling stormwater runoff, quality, and pollutant loads in a large urban catchment

Maharjan, Bharat; Pachel, Karin; Loigu, Enn Proceedings of the Estonian Academy of Sciences 2017 / p. 225-242 : ill
<https://doi.org/10.3176/proc.2017.3.02> http://www.ester.ee/record=b2355998*est https://artiklid.elnet.ee/record=b2824298*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Monitoring and control of smart urban drainage systems using NB-IoT cellular sensor networks

Roosipuu, Priit; Annus, Ivar; Kuusik, Alar; Kändler, Nils; Alam, Muhammad Mahtab Water science & technology Water science and technology 2023 / p. 339-354 <https://doi.org/10.2166/wst.2023.222> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Nordic urban planning : holistic approach for extreme weather

Kändler, Nils; Annus, Ivar; Keinänen-Toivola, Minna; Rubulis, Janis Nature-Based Solutions - from Innovation to Common-Use : ebook of abstracts 2017 / p. 112 https://nbs2017.eu/wp-content/uploads/2017/12/NBS2017_AbstractBook_211217.pdf

Numerical study of Tallinn storm-water system flooding conditions using CFD simulations of multi-phase flow in a large-scale inverted siphon

Kaur, Katrin; Laanearu, Janek; Annus, Ivar IOP conference series : materials science and engineering 2017 / art. 012128, 8 p. : ill
<https://doi.org/10.1088/1757-899X/251/1/012128> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Numerical study of Tallinn storm-water system flooding conditions using CFD simulations of multi-phase flow in a large-scale inverted siphon : [conference paper]

Kaur, Katrin; Laanearu, Janek; Annus, Ivar 3rd International Conference "Innovative Materials, Structures and Technologies" : Riga, Latvia, 27-29 September 2017 : [abstracts] 2017 / p. 78

On determination of flow routes in a stormwater network using the least squares method

Laanearu, Janek; Annus, Ivar; Vassiljev, Anatoli; Koppel, Tiit Integrating Water Systems : proceedings of the Tenth International Conference on Computing and Control in the Water Industry 2009 : CCWI2009 : Sheffield, UK, 1-3 September 2009 2009 / p. 731-734

Overview of the (Smart) Stormwater Management around the Baltic Sea

Suits, Kristjan; Annus, Ivar; Kändler, Nils; Karlsson, Tobias; Van Maris, Antonius; Kaseva, Antti; Kotoviča, Nika; Kuttuva Rajarao, Gunaratna Water 2023 / art. 1623 <https://doi.org/10.3390/w15081623> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Professor Sirje Keevallik lahkab üleujutuste anatoomiat

Keevallik, Sirje Director. Inseneeria 2017 / lk. 132-135 : fot http://www.ester.ee/record=b1519314*est
https://artiklid.elnet.ee/record=b2824212*est

Rakvere linnavalitsushoone katusele paigaldati nutikas vihmakoguja

Virumaa Teataja 2024 / Lk. 3 <https://dea.digar.ee/article/virumaateataja/2024/03/20/8>

Real time controlled sustainable urban drainage systems in dense urban areas

Kändler, Nils; Annus, Ivar; Vassiljev, Anatoli; Puust, Raido Journal of water supply : research and technology - AQUA 2020 / p. 238-247 : ill <https://doi.org/10.2166/aqua.2019.083>

Rängad vihmad uhuvad miljardeid eurosid minema

Imeline Teadus 2022 / lk. 22-22 : fot https://www.ester.ee/record=b2747925*est

Sademevee reostuskoormuse uuringud USA-s ja Eestis

Hood, Mark; **lital, Arvo** Keskkonnatehnika 2006 / 2, lk. 10-13 https://artiklid.elnet.ee/record=b1018987*est

Sajab üha äkilisemalt, tarvis on tarku lahendusi

Vill, Ants Director. Inseneeria 2022 / lk. 74-79 : fot; 4, lk. 70-75 http://www.ester.ee/record=b2336521*est
<https://director.ee/2022/02/18/sajab-uha-akilisemalt-tarvis-on-tarku-lahendusi/>

Smart nature-based solutions for stormwater management in urban areas—an analysis of pilot cases

Kõiv, Kerta; Annus, Ivar; Kändler, Nils; Truu, Murel; Kaur, Katrin; Suits, Kristjan Engineering Proceedings 2024 / art. 18
<https://doi.org/10.3390/engproc2024069018> [Journal metrics at Scopus](#) [Article at Scopus](#)

Stormwater quantity and quality of large urban catchment in Tallinn = Sademevee äravool ja kvaliteet suure linna valgalal

Tallinna näitel

Maharjan, Bharat 2016 <https://digi.lib.ttu.ee/i/?7131> https://www.ester.ee/record=b4640577*est

Suuremad torud pole lahendus: uus keskkonnaprojekt katsetab nutikaid sademeveelahendusi [Võrguväljaanne]

rohe.geenius.ee 2022 [Suuremad torud pole lahendus: uus keskkonnaprojekt katsetab nutikaid sademeveelahendusi](#)

Tallinn jätkab linnahalli ümbruse korrastamist ja mere äärde uute vaba aja veetmise võimaluste loomist

pealinn.ee 2024 [Tallinn jätkab linnahalli ümbruse korrastamist ja mere äärde uute vaba aja veetmise võimaluste loomist](#)

Tark sademeveetorustik hoiab linna üleujutuste eest

Mente et Manu 2021 / lk. 11 : fot https://www.ester.ee/record=b1242496*est

Towards effective monitoring of urban stormwater for better design and management

Maharjan, Bharat; Pachel, Karin; Loigu, Enn Estonian journal of earth sciences 2016 / p. 176-199 : ill

<https://doi.org/10.3176/earth.2016.12> https://artiklid.elnet.ee/record=b2802422*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Uni- and bidirectional stratified flows in submerged openings of built environment = Ühe- ja kahesuunaline stratifitseeritud voolamine konstruktsioonipiirde uputatud avades

Kollo, Monika 2018 <https://digi.lib.ttu.ee/i/?9257> https://www.ester.ee/record=b4758708*est

Urban stormwater management using GIS and modelling

Vaabel, Joonas; Raidmaa, Meelis XXII Nordic Hydrological Conference : Roros, Norway 4-7 August 2002. Vol. II 2002 / p. 739-747 : ill

Using CFD to simulate multi-phase flow in a large-scale inverted siphon : Tallinn storm-water system case study

Kaur, Katrin; Laanearu, Janek; Annus, Ivar 14th International CCWI Conference : 7-9 November 2016 2016 / [8] p. : ill

Vesi paelasundis

Pirrus, Enn-Aavo Kaevandamine ja vesi 2011 / lk. 7-8

Viimsi vald loob läbi CleanStormWater projekti sademevee puhastussüsteeme

Mik, Alar Viimsi Teataja 2021 / Lk. 5 <https://dea.digar.ee/article/viimsiteataja/2021/03/05/7.1>

В Нарве стартовал пилотный проект по повторному использованию дождевой воды

severnojepoberezhje.postimees.ee 2025 <https://severnojepoberezhje.postimees.ee/8273435/v-narve-startoval-pilotnyy-proekt-po-povtornomu-ispolzovaniyu-dozhdevoy-vody>