

A model of vertical distribution of suspended matter in an open channel flow

Heinloo, Jaak; Toompuu, Aleksander Environmental fluid mechanics 2011 / p. 319-328 : ill

A modification of the classical Ekman model accounting for the Stokes drift and stratification effects

Heinloo, Jaak; Toompuu, Aleksander Environmental fluid mechanics 2011 / [13] p. : ill

Advancing robust governance in turbulent times : The role of multi-level governance, hybrid governance, and negotiated societal intelligence

Torring, Jacob; Bentzen, Tina; Caponio, Tiziana; Corrado, Susana; Douglas, Scott; Nõmmik, Steven; Randma-Liiv, Tiina; Russo, Chiara; Sorensen, Eva; Verhoest, Koen Public administration 2025 / 15 p <https://doi.org/10.1111/padm.70011>

Air pocket dynamics under bridging of stratified flow during rapid filling of a horizontal pipe

Kaur, Katrin; Laanearu, Janek; Annus, Ivar Journal of hydraulic engineering 2023 / art. 04022030, 11 p. : ill

[https://doi.org/10.1061/\(ASCE\)HY.1943-7900.0002021](https://doi.org/10.1061/(ASCE)HY.1943-7900.0002021) [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Estimation of flow turbulence metrics with a lateral line probe and regression

Chen, Ke; Tuhtan, Jeffrey Andrew; Fuentes-Pérez, Juan Francisco; Toming, Gert; Musall, Mark; Strokina, Nataliya; Kämäräinen, Joni-Kristian; Kruusmaa, Maarja IEEE transactions on instrumentation and measurement 2017 / p. 651-660 : ill

<https://doi.org/10.1109/TIM.2017.2658278> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Experimental study of eddy viscosity for breaking waves on sloping bottom and comparisons with empirical and numerical predictions

Oldekop, Nelly; Liiv, Toomas; Laanearu, Janek Proceedings of the Estonian Academy of Sciences 2019 / p. 299–312 : ill

<https://doi.org/10.3176/proc.2019.3.07> http://www.kirj.ee/public/proceedings_pdf/2019/issue_3/proc-2019-3-299-312.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A generalized setup of the turbulence description

Heinloo, Jaak Advanced study in theoretical physics 2011 / p. 477-483 <https://doi.org/10.4236/jmp.2013.44072>

Highlights in the research into complexity of nonlinear waves

Engelbrecht, Jüri; Berezovski, Arkadi; Soomere, Tarmo Proceedings of the Estonian Academy of Sciences 2010 / p. 61-65

<https://doi.org/10.3176/proc.2010.2.01>

Hydroacoustic and pressure turbulence analysis for the assessment of fish presence and behavior upstream of a vertical trash rack at a run-of-river hydropower plant

Schmidt, Marc B.; Tuhtan, Jeffrey Andrew; Schletterer, Martin Applied sciences 2018 / art. 1723, 20 p. : ill

<https://doi.org/10.3390/app8101723> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Hydrodynamic classification of natural flows using an artificial lateral line and frequency domain features

Tuhtan, Jeffrey Andrew; Strokina, Nataliya; Toming, Gert; Muhammad, Naveed; Kruusmaa, Maarja; Kämäräinen, Joni-Kristian

E-proceedings of the 36th IAHR World Congress : 28 June - 3 July, 2015, The Hague, the Netherlands 2015 / p. 1-8 : ill

Man-made flows from a fish's perspective : autonomous classification of turbulent fishway flows with field data collected using an artificial lateral line

Tuhtan, Jeffrey Andrew; Fuentes-Pérez, Juan Francisco; Toming, Gert; Schneider, Matthias; Schwarzenberger, Richard;

Schletterer, Martin; Kruusmaa, Maarja Bioinspiration & biomimetics 2018 / art. 046006, 17 p. : ill <https://doi.org/10.1088/1748-3190/aabc79> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Measurement of the variation of shear velocity on bed during a wave cycle

Oldekop, Nelly; Liiv, Toomas journal of earth science and engineering 2013 / p. 322-330 : ill

A modified Ekman layer model

Heinloo, Jaak; Toompuu, Aleksander Estonian journal of earth sciences 2011 / p. 123-129 : ill <https://doi.org/10.3176/earth.2011.2.06>

https://www.researchgate.net/publication/228834770_A_modified_Ekman_layer_model

More than depth : developing pressure sensing systems for aquatic environments

Schletterer, Martin; Tuhtan, Jeffrey Andrew; Fuentes-Pérez, Juan Francisco; Kruusmaa, Maarja HydroSenSoft, International Symposium and Exhibition on Hydro-Environment Sensors and Software : 1-3 March 2017, Madrid, Spain 2017 / p. 1-7 : ill

Numerical and experimental investigation on flow dynamics in a pipe with an abrupt change in diameter

Annus, Ivar; Kartušinski, Aleksander; Vassiljev, Anatoli; Kaur, Katrin Journal of fluids engineering 2019 / art. 101301, 9 p. : ill

<https://doi.org/10.1115/1.4043233> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the effect of finite-time correlations on the turbulent mixing in smooth chaotic compressible velocity fields

Ainsaar, Siim; **Kalda, Jaan** Proceedings of the Estonian Academy of Sciences 2014 / p. 1-7 : ill
https://artiklid.elnet.ee/record=b2717475*est <https://doi.org/10.3176/proc.2015.1.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Pressure Laplacian measurement with a bioinspired fish-shaped lateral line probe

Tuhtan, Jeffrey Andrew; Fuentes-Pérez, Juan Francisco; Schletterer, Martin; **Kruusmaa, Maarja** HydroSenSoft, International Symposium and Exhibition on Hydro-Environment Sensors and Software : 1-3 March 2017, Madrid, Spain 2017 / p. 1-6 : ill

Small states as poster children of robust governance?

Randma-Liiv, Tiina; Sarapuu, Külli Small States & Territories 2025 / p. 116-120
<https://www.um.edu.mt/library/oar/handle/123456789/134902>

Subharmonic resonant excitation of edge waves by breaking surface waves

Abcha, Nizar; Zhang, Tonglei; Ezersky, Alexander; Pelinovsky, Efim; **Didenkulova, Irina** Nonlinear processes in geophysics 2017 / p. 157-165 : ill <https://doi.org/10.5194/npg-24-157-2017> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The predictive power of power-laws : an empirical time-arrow based investigation

Andria, Joseph; Tollo, Giacomo di; **Kalda, Jaan** Chaos, solitons & fractals 2022 / art. 112425
<https://doi.org/10.1016/j.chaos.2022.112425> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The structure of the average turbulent flow field

Heinloo, Jaak Central European journal of physics 2010 / p. 17-24