

## **Allveerobot Läänemere keskkonnaseireks**

Pugal, David; **Listak, Madis** A & A 2005 / 5, lk. 22-31 : ill

## **An enhanced situational awareness of a mission for an autonomous vehicle by multirate control**

**Astrov, Igor; Pedai, Andrus** Proceedings of the 5th WSEAS International Conference on Dynamical Systems and Control : CONTROL'09 : La Laguna, Spain, July 1-3, 2009 2009 / p. 33-39

[https://www.researchgate.net/publication/228809791\\_An\\_enhanced\\_situational\\_awareness\\_of\\_a\\_mission\\_for\\_an\\_autonomous\\_underwater\\_vehicle\\_by\\_multirate\\_control](https://www.researchgate.net/publication/228809791_An_enhanced_situational_awareness_of_a_mission_for_an_autonomous_underwater_vehicle_by_multirate_control)

## **Bedload transport measurement in a Japanese gravel river using synchronized hydrodynamic and hydroacoustic pressure sensing**

Tsubaki, R.; Fuentes-Perez, Juan Francisco; Kawamura, S.; **Tuhtan, Jeffrey Andrew; Sumitomo, K.** 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 2020 / p. 1476-1482 <https://doi.org/10.1201/b22619>

## **Biologically inspired semi-autonomous underwater robot**

**Listak, Madis; Kruusmaa, Maarja** US/EU-Baltic International Symposium : Ocean observations, ecosystem-based management & forecasting : May 27-29, 2008, Tallinn, Estonia : book of abstracts 2008 / p. 89

## **Biomimetic fish-like underwater robot for shallow water applications**

**Listak, Madis; Pugal, Deivid; Kruusmaa, Maarja** 13th International Conference on Advanced Robotics : Korea, Jeju, 21-24 August, 2007 2007 / p. 332-336

## **Biomimetic mechanical design for soft-bodied underwater vehicles**

Fiazza, C.; **Salumäe, Taavi; Listak, Madis;** Kulikovskis, Guntis; Templeton, R.; Akanyeti, Otar; Megill, W.; Fiorini, Paolo; **Kruusmaa, Maarja** IEEE OCEANS : Sydney, 24-27 May 2010 2010 / [7] p.: ill

## **Computational fluid dynamics simulations of a biomimetic underwater robot**

**Listak, Madis; Pugal, Deivid; Kruusmaa, Maarja** 8th International Workshop on Research and Education in Mechatronics 2007 : 14-15 June 2007, Tallinn, Estonia 2007 / p. 72-77 : ill

## **Computational fluid dynamics simulations of a biomimetic underwater robot**

**Listak, Madis; Pugal, Deivid; Kruusmaa, Maarja** 13th International Conference on Advanced Robotics : Korea, Jeju, 21-24 August, 2007 2007 / p. 314-319 [https://ims.ut.ee/images/d/d4/Listak\\_icar2007\\_15\\_03.pdf](https://ims.ut.ee/images/d/d4/Listak_icar2007_15_03.pdf)

## **Contributions to the modelling and control of fin-actuated autonomous underwater vehicles = Uimedega autonoomsete allveesõidukite modelleerimis- ja juhtimisloogika edendamine**

**Remmas, Mohamed Walid** 2023 <https://doi.org/10.23658/taltech.71/2023> <https://digikogu.taltech.ee/et/Item/17167e2e-2c31-451c-834d-1da98160b2ce> [https://www.eester.ee/record=b5647340\\*est](https://www.eester.ee/record=b5647340*est)

## **Depth control of an autonomous underwater vehicle in situational awareness a mission [Electronic resource]**

**Astrov, Igor; Rüstern, Ennu** ICROS-SICE 2009 proceedings : ICROS-SICE International Joint Conference 2009 : Fukuoka, Japan, August 18-21, 2009 2009 / p. 560-564 [DVD-ROM]

## **Depth controls of an autonomous underwater vehicle by neurocontrollers for enhanced situational awareness**

**Astrov, Igor; Pedai, Andrus** Proceedings of the World Academy of Science, Engineering and Technology 2009 / 55, p. 486-489

## **Design of a semiautonomous biomimetic underwater vehicle for environmental monitoring**

**Listak, Madis;** Martin, G.; Pugal, David; Aabloo, Alvo; Kruusmaa, Maarja Proceedings of the 2005 IEEE International Symposium on Computational Intelligence in Robotics and Automation : CIRA 2005 : Espoo, Finland, 2005 2005 / ? p <https://ieeexplore.ieee.org/document/1554247>

## **Development and experimental assessment of a flexible robot fin**

**Gkliva, Roza;** Sfakiotakis, Michael; **Kruusmaa, Maarja** 2018 IEEE International Conference on Soft Robotics (RoboSoft) : proceedings 2018 / p. 208-213 : ill <https://doi.org/10.1109/ROBOSOFT.2018.8404921>

## **Diver tracking in open waters : a low-cost approach based on visual and acoustic sensor fusion**

**Remmas, Mohamed Walid;** Chemori, Ahmed; **Kruusmaa, Maarja** Journal of field robotics 2021 / p. 494-508 <https://doi.org/10.1002/rob.21999> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

## **Doktoritöö aitab droone kuulekamaks muuta**

Reimann, Andres novaator.err.ee 2023 [Doktoritöö aitab droone kuulekamaks muuta https://digikogu.taltech.ee/et/Item/17167e2e-2c31-451c-834d-1da98160b2ce](https://digikogu.taltech.ee/et/Item/17167e2e-2c31-451c-834d-1da98160b2ce)

## **Eesti vetes avastati mangaani – autoakude komponenti**

Pau, Aivar delfi.ee 2023 [Eesti vetes avastati mangaani – autoakude komponenti](#)

**Flow-sensitive robotic fish : from concept to experiments = Voolutundlik robotkala : ideest katsetusteni**  
Salumäe, Taavi 2015 [https://www.ester.ee/record=b4446456\\*est](https://www.ester.ee/record=b4446456*est)

**Inverse-model intelligent control of fin-actuated underwater robots based on drag force propulsion**  
Remmas, Mohamed Walid; Chemori, Ahmed; Kruusmaa, Maarja Ocean Engineering 2021 / art. 109883, 19 p. : ill  
<https://doi.org/10.1016/j.oceaneng.2021.109883> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Kuidas juhtida lihtsat, aga võimekat drooni?**  
Imeline Teadus 2024 / lk. 20 [https://www.ester.ee/record=b2747925\\*est](https://www.ester.ee/record=b2747925*est)

**Myometry-driven compliant-body design for underwater propulsion**  
Akanyeti, Otar; Listak, Madis; Ernits, Andres; Fiazza, Maria-Camilla; Toming, Gert; Kulikovskis, Guntis; Raag, Rasmus; Salumäe, Taavi; Fiorini, Paolo; Kruusmaa, Maarja IEEE International Conference on Robotics and Automation : ICRA 2010 : Anchorage, Alaska, USA, 3-7 May 2010 2010 / p. 84-89 <https://ieeexplore.ieee.org/document/5509431>

**Novel mechanisms of robot locomotion : variable stiffness actuators for underwater and multi-phase environments = Robotite uudsed liikumismehhanismid : muutuva jäikusega täitunud veealustes ja mitmefaasilistes keskkondades**  
Gkliva, Roza 2023 <https://doi.org/10.23658/taltech.3/2023> <https://digikogu.taltech.ee/et/Item/b1135cd8-02a8-44f8-8b2c-d66d019ea63c>  
[https://www.ester.ee/record=b5537817\\*est](https://www.ester.ee/record=b5537817*est)

**Reportaaž : teadlastega "põllul"**  
Minnik, Taavi Eesti Teaduste Akadeemia sõnas ja pildis 2019 2020 / lk. 84-87 : fot

**Salmon behavioural response to robots in an aquaculture sea cage**  
Kruusmaa, Maarja; Gkliva, Roza; Tuhtan, Jeffrey Andrew; Tuvikene, A.; Alfredsen, J.A. Royal Society open science 2020 / art. 191220, 14 p. : ill <https://doi.org/10.1098/rsos.191220> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Tallinna Tehnikaülikooli allveerobot hõlbustab kalakasvatavate tööd [Võrguväljaanne]**  
Kruusmaa, Maarja novaator.err.ee 2020 / fot [Tallinna Tehnikaülikooli allveerobot hõlbustab kalakasvatavate tööd](https://www.ester.ee/record=b5537817*est)

**Task-oriented design of an underwater vehicle for environmental monitoring in the Baltic Sea**  
Listak, Madis; Martin, G.; Pugal, David; Aabloo, Alvo; Kruusmaa, Maarja Proc. of the IWUR2005 International Workshop on Underwater Robotics for Sustainable Management of Marine Ecosystems and Environmental Monitoring : Genoa, Italy, 2005 2005 / ? p

**A trajectory control method for a strongly underactuated spherical underwater surveillance robot**  
Astrov, Igor; Udal, Andres; Mölder, Heigo 2021 IEEE 25th International conference on intelligent engineering systems (INES), 7-9 July 2021 : conference proceedings 2021 / p. 43-48 <https://doi.org/10.1109/INES52918.2021.9512931>

**2D estimation of velocity relative to water and tidal currents based on differential pressure for autonomous underwater vehicles**  
Meurer, Christian; Fuentes-Perez, Juan Francisco; Schwarzwald, Kordula; Ludvigsen, Martin; Sorensen, Asgeir Johan; Kruusmaa, Maarja IEEE robotics and automation letters 2020 / p. 3444-3451 <https://doi.org/10.1109/LRA.2020.2976318> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**U-CAT & Filose : breakthroughs in underwater biorobotics**  
Higher Education and Research in Estonia 2019 / p. 46-47 : ill [https://www.ester.ee/record=b5246114\\*est](https://www.ester.ee/record=b5246114*est) <https://www.digar.ee/viewer/et/nlib-digar:434236/368591/page/48>

**Underwater bioinspired sensing: New opportunities to improve environmental monitoring**  
Tuhtan, Jeffrey Andrew; Nag, Saptarshi; Kruusmaa, Maarja IEEE instrumentation & measurement magazine 2020 / p. 30-36  
<https://doi.org/10.1109/MIM.2020.9062685> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Underwater confined space mapping by resource-constrained autonomous vehicle**  
Preston, Victoria; Salumäe, Taavi; Kruusmaa, Maarja Journal of field robotics 2018 / p. 1122-1148 : ill  
<https://doi.org/10.1002/rob.21806> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

**Varakult meregeoloogi kutsumuse leidnud tudeng uurib allveerobotiga Läänemere põhja saladusi**  
postimees.ee 2023 [Varakult meregeoloogi kutsumuse leidnud tudeng uurib allveerobotiga Läänemere põhja saladusi](https://postimees.ee/2023/05/10/varakult-meregeoloogi-kutsumuse-leidnud-tudeng-uurib-allveerobotiga-laanemere-pohja-saladusi) Раскрывая тайны Балтийского моря: студентка проводит исследование морского дна с помощью подводного робота

**В эстонских водах обнаружили марганец — популярный компонент аккумуляторов**  
Pau, Aivar rus.delfi.ee 2023 [В эстонских водах обнаружили марганец — популярный компонент аккумуляторов](https://rus.delfi.ee/news/estonia/2023/05/10/v-estonskikh-vodakh-obnaryzili-marganets-populyarnyy-komponent-akkumulyatorov)

