

Current challenges in operation, performance, and maintenance of photovoltaic panels

Orosz, Tamas; **Rassõlkin, Anton**; Arsenio, Pedro; Poor, Peter; **Valme, Daniil**; Sleisz, Adam Energies 2024 / art. 1306

<https://doi.org/10.3390/en17061306> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Curricula updates through students' participation in international competition

Valme, Daniil; **Belolipetskaja, Diana**; **Rassõlkin, Anton**; **Leoste, Janika**; **Rüütmann, Tiia** Robotics in education : proceedings of the RiE 2024 conference 2024 / p. 352-364 https://doi.org/10.1007/978-3-031-67059-6_31 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Development of the reconfigurable continuous track robot

Valme, Daniil 21st International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Pärnu, Estonia, June 15-18, 2022 2022 / p. 15-16 : ill https://www.ester.ee/record=b5504019*est

From ADAS to Material-Informed Inspection : Review of Hyperspectral Imaging Applications on Mobile Ground Robots

Valme, Daniil; **Rassõlkin, Anton**; **Liyanage, Dhanushka Chamara** Sensors 2025 / art. 2346 <https://doi.org/10.3390/s25082346>
<https://www.mdpi.com/1424-8220/25/8/2346>

Generative design in weight optimization of reconfigurable continuous track robot

Valme, Daniil; **Kudelina, Karolina**; **Belolipetskaja, Diana**; **Rassõlkin, Anton**; **Vaimann, Toomas**; **Kallaste, Ants** 2021 28th International Workshop on Electric Drives : Improving Reliability of Electric Drives (IWED) 2021 / 6 p
<https://doi.org/10.1109/IWED52055.2021.9376329>

Hyperspectral imaging for vehicle traction effort prediction: ISEAUTO case study

Valme, Daniil; **Rassõlkin, Anton**; **Liyanage, Dhanushka Chamara** 2023 IEEE 17th International Conference on Compatibility, Power Electronics and Power Engineering (CPE-POWERENG) 2023 / 5 p <https://doi.org/10.1109/CPE-POWERENG58103.2023.10227463>

Intelligent traction control for electric vehicles using hyperspectral imaging

Valme, Daniil 22nd International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral School of Energy and Geotechnology III : Pärnu, Estonia, August 23-26, 2023 2023 / p. 15-16 : ill https://www.ester.ee/record=b5570906*est

Preliminary sensors selection for reconfigurable continuous track robot obstacle detection

Valme, Daniil; **Kudelina, Karolina**; **Rassõlkin, Anton** 2021 IEEE Open Conference of Electrical, Electronic and Information Sciences (eStream): proceedings of the conference, April 22, 2021, Vilnius, Lithuania 2021 / 5 p. : ill
<https://doi.org/10.1109/eStream53087.2021.9431394>

Road condition estimation using deep learning with hyperspectral images : detection of water and snow

Valme, Daniil; **Galindos, Javier**; **Chamara Liyanage, Dhanushka**; **Chamara Liyanage, Dhanushka** Proceedings of the Estonian Academy of Sciences 2024 / p. 77-91 <https://doi.org/10.3176/proc.2024.1.09> [Journal metrics at Scopus](#) [Article at Scopus](#)
[Journal metrics at WOS](#) [Article at WOS](#)

Teaduse ja tööstuse kohtumispaik

Vaaks, Eveliis Trialoog 2025 <https://trialoog.taltech.ee/teaduse-ja-toostuse-kohtumispaik/>