

Aspects of using telepresence robot in a higher education STEAM workshop

Leoste, Janika; Virkus, Sirje; Kasuk, Tiina; Talisainen, Aleksei; Kangur, Katrin; Tolmos, Piedad Information Integration and Web Intelligence. iiWAS 2022 2022 / p. 18-28 https://doi.org/10.1007/978-3-031-21047-1_2 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

Attendance check of students via robot assistant in higher education classes

Budagov, Fuad; Leoste, Janika; Meeran, Mohammad Tariq; Robal, Tarmo; Leoste, Leo Benjamin Futureproofing Engineering Education for Global Responsibility : Proceedings of the 27th International Conference on Interactive Collaborative Learning (ICL 2024) ; vol. 1 2025 / p. 305-316 https://doi.org/10.1007/978-3-031-85652-5_31

Comparative analysis of telepresence robots' video performance : evaluating camera capabilities for remote teaching and learning

Talisainen, Aleksei; Leoste, Janika; Virkus, Sirje Applied Sciences (Switzerland) 2024 / art. 233 <https://doi.org/10.3390/app14010233> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Conceptualising micro-credentials in the higher education research landscape. A literature review

Cartis, Alexandru; **Leoste, Janika;** Iucu, Romiță; **Kikkas, Kaido; Tammemäe, Kalle;** Männik, Katrin Polyphonic construction of smart learning ecosystems : proceedings of the 7th Conference on Smart Learning Ecosystems and Regional Development 2023 / p. 191-203 https://doi.org/10.1007/978-981-19-5240-1_13 [Conference proceedings at Scopus](#) [Article at Scopus](#)

A critical retelling of the implementing of telepresence robots to enhance learners' collaboration : through a posthumanist new materialist and intersectionalist lens

Leoste, Janika; Burnard, Pamela; Harris, Dan; Virkus, Sirje; Blakeborough, Jessica; Fenyvesi, Kristof; Lavicza, Zsolt; **Marmor, Kristel** Education, development and intervention : toward participatory and integrated solutions 2024 / p. 117-132 https://link.springer.com/chapter/10.1007/978-3-031-60713-4_8 https://doi.org/10.1007/978-3-031-60713-4_8

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](#)

Designing workplace hybrid course

Kasuk, Tiina; Leoste, Janika International Symposium on Ambient Intelligence and Embedded Systems, Tallinn, Estonia, 11 - 14 September, 2024. 2024 / 1 p. : ill https://international-symposium.org/amies_2024/proceedings_2024/Kasuk_Leoste_AmiEs_2024_Poster.pdf

Development and future trends of digital product-service systems: a bibliometric analysis approach

Rakic, Slavko; Medic, Nenad; **Leoste, Janika;** Vuckovic, Teodora; Marjanovic, Ugljesa Applied system innovation 2023 / art. 89 ; p. 1-19 <https://doi.org/10.3390/asi6050089>

Digiloping teachers' mentor guidebook

Ábrahám-Huszár, Éva; Csanády, Szilvia; Fenyvesi, Kristóf; Galambos, Attila; Gál-lanko, Katalin; Gulyásné Balogh, Bianka; Gyurcsik, Péter; Kolumbán, Krisztina; Nemes, Istvan; Lázár, Csilla; Leoste, Janika; Skultéty, Zoltánné; Váczi, Dorottya; Zsigmond, Ilka 2023 <https://digilopingteachers.eu/en/outcomes/>

Direct and indirect instruction in educational robotics: a comparative study of task performance per cognitive level and student perception

Anđić, Branko; Maričić, Mirjana; Mumcu, Filiz; Prodomou, Theodosia; **Leoste, Janika;** Saimon, Musa; Lavicza, Zsolt Smart learning environments 2024 / art. 12 <https://doi.org/10.1186/s40561-024-00298-6> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Enhancing inclusivity in higher education : the case of TEMI semi-autonomous robot for special needs students in technical courses

Budagov, Fuad; Leoste, Janika; Meeran, Mohammad Tariq AmiES-2023 : abstracts 2024 / 1 p http://international-symposium.org/amies_2023/proceedings_2023/Budagov_Leoste_Meeran

Enhancing synchronous hybrid learning with telepresence robots: a PEPCII pedagogical design model for remote and onsite student engagement

Kasuk, Tiina; Leoste, Janika; Virkus, Sirje Frontiers in education 2025 / 15 p <https://doi.org/10.3389/feduc.2025.1554065>

Enhancing university visitor satisfaction : a human-robot interaction study on the design and perception of a guiding robot assistant

Leoste, Janika; Marmor, Kristel; Hollstein, Thomas; Hinkelmann, Heiko; **Leoste, Leo Benjamin** Robotics in education : proceedings of the RiE 2024 conference 2024 / p. 223-234 https://doi.org/10.1007/978-3-031-67059-6_20 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Environment challenges of e-learning in higher education - the teachers' perspective

Leoste, Janika; Jõgi, Larissa; Õun, Tiia; Marjanovic, Ugljesa; Rakic, Slavko; Schöndorfer, Simone; Lefkofridi, Zoe Polyphonic construction of smart learning ecosystems : proceedings of the 7th Conference on Smart Learning Ecosystems and Regional Development 2023 / p. 143-156 https://doi.org/10.1007/978-981-19-5240-1_10

Euroopa robotika tippsündmus TTÜ spordihoones - Robotex 2016

Leoste, Janika Studioosus 2016 / lk. 6-7 https://www.ester.ee/record=b1558644*est

Evaluating social assistive robots in clinical nursing care: A pilot study on healthcare workers' perceptions and adoption

Leoste, Janika; Lubi, Kadi; Marmor, Kristel; Kangur, Katrin JMIR Nursing 2025 <https://doi.org/10.2196/70305>

An experimental methodology for introducing educational robotics and storytelling in therapeutical activities for children with neurodevelopmental disorders

Peribanez, Elena; Bayona, Sofia; San Martin, Jose; Verde, Ana; Garre, Carlos; **Leoste, Janika;** Pastor, Luis Machines 2023 / art. 629 <https://doi.org/10.3390/machines11060629>

Exploring challenges in remote communication : comparing teleconferencing software and telepresence robots usage in higher education

Talisainen, Aleksei; Leoste, Janika; Virkus, Sirje Proceedings of the Future Technologies Conference (FTC) 2024, Volume 2 2024 / p. 287 - 300 https://doi.org/10.1007/978-3-031-73122-8_18 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Hacking a hackathon : initiating positive change in digital education through international edtech hackathons

Leoste, Janika; Tomusk, Voldemar; Väärt, Sirly; Rakic, Slavko; Fenyvesi, Kristóf; Kauppinen, Tomi ICERI 2024 proceedings : 17th annual International Conference of Education, Research and Innovation Seville, Spain, 11-13 November, 2024 2024 / p. 6277-6285 : ill <https://doi.org/10.21125/iceri.2024.1518>

Higher education personnel's perceptions about telepresence robots

Leoste, Janika; Virkus, Sirje; **Talisainen, Aleksei; Tammemäe, Kalle; Kangur, Katrin;** Petriashvili, Izabella Frontiers in Robotics and AI 2022 / 14 p. : ill <https://doi.org/10.3389/frobt.2022.976836> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Higher education teachers' perceptions about teaching and learning related qualities of telepresence robots

Leoste, Janika; Virkus, Sirje; **Talisainen, Aleksei** ROBOT2022 : Fifth Iberian Robotics Conference : Advances in Robotics. Vol. 1 2022 / p. 526-537 https://doi.org/10.1007/978-3-031-21065-5_43 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

The impact of a transdisciplinary STEAM teacher training course on the integration of robotics in early childhood education

Rossi, Matti; Saimon, Musa; **Leoste, Janika;** Fenyvesi, Kristof; Lavicza, Zsolt Robotics in education : proceedings of the RiE 2024 conference 2024 / p. 114-125 : ill https://doi.org/10.1007/978-3-031-67059-6_11 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Innovative approaches in second language learning : educational games with social assistive robot assistant

Banko, Aalo; **Leoste, Janika;** Tuul, Maire ICERI 2024 proceedings : 17th annual International Conference of Education, Research and Innovation Seville, Spain, 11-13 November, 2024 2024 / p. 6146-6153 : ill <https://doi.org/10.21125/iceri.2024.1490>

Integration of Artificial Intelligence in higher education programming courses : insights from student perspectives and practices

Leoste, Janika; Pöial, Jaanus; Kivisalu, Einar; Robal, Tarmo; Marjanovic, Ugljesa; Rakić, Slavko Futureproofing Engineering Education for Global Responsibility : Proceedings of the 27th International Conference on Interactive Collaborative Learning (ICL 2024) ; vol. 1 2024 / p. 1067-1077 https://doi.org/10.1007/978-3-031-85652-5_42

Keeping distance with a telepresence robot : a pilot study

Leoste, Janika; Heidmets, Mati; Virkus, Sirje; **Talisainen, Aleksei; Rebane, Martin; Kasuk, Tiina; Tammemäe, Kalle; Kangur, Katrin; Kikkas, Kaido;** Marmor, Kristel Frontiers in education 2023 / art. 1046461 : ill <https://doi.org/10.3389/feduc.2022.1046461> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Keeping social distance in a classroom while interacting via a telepresence robot : a pilot study

Marmor, Kristel; Leoste, Janika; Heidmets, Mati; **Rebane, Martin; Pöial, Jaanus; Kasuk, Tiina; Kangur, Katrin** Frontiers in Neurorobotics 2024 / art. 1339000 <https://doi.org/10.3389/fnbot.2024.1339000> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A location-based application for recording the video stream of urban traffic cameras

Leoste, Karl Aleksander; **Leoste, Johan Valdemar; Leoste, Janika;** San Martin, Jose Emerging Trends and Technologies on Intelligent Systems : Proceedings of 4th International Conference ETTIS 2025 / p. 337-348 https://doi.org/10.1007/978-981-97-5703-9_29

Meie Eesti naised : Naisteadlased, kes parandavad tervist, vaimset heaolu, päikeseenergeetikat ja Eesti majandust

Velthut-Meikas, Agne; Bachmann, Maie; Leoste, Janika; Grossberg-Kuusk, Maarja; Kauk-Kuusik, Marit goodnews.ee 2023
[Meie Eesti naised : Naisteadlased, kes parandavad tervist, vaimset heaolu, päikeseenergeetikat ja Eesti majandust](#)

Nonverbal behavior of service robots in social interactions – a survey on recent studies

Leoste, Janika; Marmor, Kristel; Heidmets, Mati Interaction Design and Architecture(s) 2024 / P. 164 - 192

<https://doi.org/10.55612/s-5002-061-006> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The opinions of basic school students regarding the use of telepresence robots for teaching and learning

Leoste, Janika; Kangur, Katrin; Talisainen, Aleksei; Muoni, Karin; Marmor, Kristel; Budagov, Fuad; Strömberg-Järvis, Kadri; Rebane, Anne-Mari; Rossi, Matti Robotics in education : proceedings of the RiE 2024 conference 2024 / p. 89-100

https://doi.org/10.1007/978-3-031-67059-6_9 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Pair-programming with a telepresence robot

Leoste, Janika; Pöial, Jaanus; Marmor, Kristel; Fenyvesi, Kristof; Häkkinen, Päivi Robotics in education : proceedings of the RiE 2023 conference 2023 / p. 143 - 154

https://doi.org/10.1007/978-3-031-38454-7_13 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Platform for the collaboration of scientific research organizations and industry: evidence from the “EdTech Talents” project

Marjanovic, Ugljesa; Spasic, Branko; **Leoste, Janika** XXX skup Trendovi razvoja [sa temom] "Nastavnici i saradnici kao centar promena u visokom obrazovanju", Vrnjačka Banja, 7-10.02.2024 : proceedings 2024 / p. 5-8

http://www.trend.uns.ac.rs/stskup/trend_2024/TREND2024-ZBORNIK-RADOVA.pdf

The potential of telepresence in libraries : students' perspectives

Virkus, Sirje; Alemu, Getaneh; Paimre, Marianne; Mandre, Sigrid; **Leoste, Janika; Talisainen, Aleksei; Marmor, Kristel; Pöial, Jaanus** Libri 2024 / p. 105-118

<https://doi.org/10.1515/libri-2023-0082> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The potential of using social service robots in the healthcare environment

Leoste, Janika; Marmor, Kristel; Kangur, Katrin; Budagov, Fuad; Rossi, Matti 10th International Conference on Higher Education Advances (HEAd'24) 2024 / p. 522-529

<https://doi.org/10.4995/HEAd24.2024.17047> [Conference proceedings at Scopus](#) [Article at Scopus](#)

Robotexist on kujunenud tehnoloogiahuviliste laulupidu

Leoste, Janika Mente et Manu 2017 / lk. 26-29 : fot http://www.ttu.ee/public/m/mente-et-manu/MM_01_2017/index.html

https://artiklid.elnet.ee/record=b2811468*est

Social service robots in academic library – for what and to whom?

Leoste, Janika; Marmor, Kristel; Jantson, Signe 17th annual International Conference of Education, Research and Innovation

2024 / p. 3920-3926 <https://doi.org/10.21125/iceri.2024.0995>

A systematic literature review on applicability of robot assistants in higher education

Budagov, Fuad; Leoste, Janika; Meeran, Mohammad Tariq; Robal, Tarmo Methodologies and Intelligent Systems for

Technology Enhanced Learning : MIS4TEL 2024 2024 / p. 21-32 https://doi.org/10.1007/978-3-031-73538-7_3 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

TalTech ja Ülemiste City toovad ärilinnakusse teenindusroboti ja viivad läbi unikaalse eksperimendi

digi.geenius.ee 2023 [TalTech ja Ülemiste City toovad ärilinnakusse teenindusroboti ja viivad läbi unikaalse eksperimendi](#)

TalTech kutsub avastusretkele teadusesse

digi.geenius.ee 2023 [TalTech kutsub avastusretkele teadusesse](#)

Teaching rapid application development skills for digitalisation challenges

Robal, Tarmo; Reinsalu, Uljana; Leoste, Janika; Jürimägi, Lembit; Heinsar, Risto Digital Business and Intelligent Systems :

16th International Baltic Conference, Baltic DB&IS 2024, Vilnius, Lithuania, June 30 – July 3, 2024, Proceedings 2024 / p. 177-192 : ill https://doi.org/10.1007/978-3-031-63543-4_12 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Telepresence robots from the perspective of psychology and educational sciences

Virkus, Sirje; **Leoste, Janika; Marmor, Kristel; Kasuk, Tiina; Talisainen, Aleksei** Information and Learning Science 2023 / p. 48-

69 <https://doi.org/10.1108/ILS-09-2022-0106> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Telepresence robots in higher education - the current state of research

Leoste, Janika; Kikkas, Kaido; Tammemäe, Kalle; Rebane, Martin; Laugasson, Edmund; Hakk, Kristiina Robots in education : RiE 2022 2022 / p. 124-134

https://doi.org/10.1007/978-3-031-12848-6_12 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Testing scenarios for using telepresence robots in healthcare settings

Leoste, Janika; Strömberg-Järvis, Kadri; **Robal, Tarmo**; **Marmor, Kristel**; **Kangur, Katrin**; Rebane, Anne-Mari Computational and structural biotechnology journal 2024 / p. 105-114 <https://doi.org/10.1016/j.csbj.2024.01.004> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Understanding the potential of telepresence robots in higher education learning : a case study

Leoste, Janika; **Talisainen, Aleksei**; **Pöial, Jaanus**; **Kangur, Katrin**; **Kasuk, Tiina**; **Parts, Joosep** Advances in Information and Communication Proceedings of the 2024 Future of Information and Communication Conference (FICC), Volume 1 2024 / p. 694-704 https://doi.org/10.1007/978-3-031-53960-2_45 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Usability platform test : evaluating the effectiveness of educational technology applications

Rakic, Slavko; Softic, Selver; Andriichenko, Yevheniia; Turcin, Ioan; Markoski, Branko; **Leoste, Janika** ICL2024 – 27th International Conference on Interactive Collaborative Learning, 24–27 September 2024, TalTech, Tallinn, Estonia 2024 / p. 2323-2332 https://www.researchgate.net/publication/384355628_Usability_Platform_Test_Evaluating_the_Effectiveness_of_Educational_Technology_Applications

Using telepresence robots for ICT consultancy

Leoste, Janika; **Pöial, Jaanus**; **Rebane, Martin**; **Marmor, Kristel**; **Tammemäe, Kalle** Towards a hybrid, flexible and socially engaged higher education 2024 / p. 157-168 https://doi.org/10.1007/978-3-031-52667-1_17 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Using telepresence robots for remote participation in technical subjects in higher education

Meeran, Mohammad Tariq; **Leoste, Janika**; **Budagov, Fuad**; **Pöial, Jaanus**; **Marmor, Kristel** Smart learning ecosystems as engines of the green and digital transition : proceedings of the 8th conference on smart learning ecosystems and regional development 2023 / p. 133–147 https://doi.org/10.1007/978-981-99-5540-4_8

Uso del aprendizaje híbrido para afrontar la incertidumbre ante las condiciones de enseñanza durante la crisis del covid-19. un caso de estudio

Leoste, Janika; Trabada, Ana Verde; Pastor, Luis; Tuul, Maire; Õun, Tiia A educação e suas generalidades ; 1 2022 / p. 149–173 <https://doi.org/10.35587/brj.ed.0001699>

Uue majanduse tarkus

Leoste, Janika; Leoste, Jaanus Uus majandus : üliõpilastööde konkurss 2000 2000 / lk. 38-40

Uued inimesed ja positsioonid

Delpeche-Ellmann, Nicole Camille; **Leoste, Janika**; **Kallakas, Heikko**; **Püüa, Margus**; **Spalatu, Nicolae**; **Reinsalu, Kristo** Mente et Manu 2024 / lk. 60-63 : fot https://www.ester.ee/record=b1242496*est