



Janika Leoste

Date of birth: 17/08/1971 | **Nationality:** Estonian | **Gender:** Female | **Phone number:** (+372) 5045081 (Work) | **Email address:** leoste@tlu.ee | **Address:** Narva rd 25, 10120, Estonia, Estonia (Work)

● WORK EXPERIENCE

01/09/2022 – CURRENT Tallinn, Estonia

ASSOCIATE PROFESSOR OF EDUCATIONAL ROBOTICS TALLINN UNIVERSITY

Main tasks. Leading TLU interdisciplinary educational innovation collaboration cluster STEAM4EDU that aims knowledge transfer with EdTech companies and impacting digital education landscape in Estonian and cross-border. Writing and implementing international and regional projects on innovation in education and training and digital education. Developing innovative didactical methods in digital education. Conducting (international) courses and seminars on STEAM innovations, including robot-integrated learning in all levels of education. International lectures in Spanish and Austrian universities.

Coordinating and being a local coordinator for several international Erasmus projects, for example:

- STEAM UPGRADE <https://eduspace.tlu.ee/en/steamupgrade/> – upgrading pre- and in-service teachers' digital skills with online steam hands-on training modules. Project countries: Estonia, Spain, Finland, Austria, Norway, Hungary.
- Free-ED <https://free-ed.eu/> – creating a framework for efficient and engaging hybrid education in lower- secondary schools. Project countries: Estonia, Finland, Austria, Romania
- Digiloping Teachers <https://digilopingteachers.eu/> - digital competences development and mentoring for teachers. Project countries: Estonia, Finland, Hungary.
- ENLIVEN <https://www.enlivenproject.eu/> - developing foundations for an innovative international digital learning environment. Project countries: Estonia, Italy, Portugal, Austria, Germany, Serbia.
- Cities Going Green <https://citiesgoinggreen.projectsgallery.eu/> - application for the Development of a Green and Smart City. Project countries: Estonia, Cyprus, Poland, Spain.
- DICOMTEN <https://sites.google.com/view/dicomten/home?authuser=1> - digital competence in teacher training in the Nordic countries. Project countries: Estonia, Norway, Finland, Iceland, Denmark.

The work with many of these projects started under the previous job positions in Tallinn University.

10/01/2022 Tallinn, Estonia

RESEARCHER OF IT DIDACTICS TALLINN UNIVERSITY OF TECHNOLOGY, EHITAJATE TEE 5, 12616 TALLINN, ESTONIA

Main tasks. Leading Creativity Matters IT didactics research group <https://cm.taltech.ee/> . Writing and implementing international and regional projects on innovative teaching in higher education teaching and training and digital education. Special focus is on using telepresence robotics for enhancing social interaction in education and business by using telepresence robots. Developing innovative didactical methods in hybrid and digitally mediated education. Conducting (international) courses and seminars on telepresence robotics for higher education, researching on usage of emerging technologies in higher education and workplace learning. Supervising doctoral students.

Coordinating and being local coordinator of several digital education and Erasmus projects, for example: ReSTELA - Remote STEM Labs for secondary education. Project countries: Estonia, Cyprus, Italy.

01/09/2021 – 31/08/2022 Tallinn, Estonia

VISITING RESEARCHER OF EDUCATIONAL ROBOTICS TALLINN UNIVERSITY

Main tasks. Writing and implementing international and regional projects on innovation in education and training and digital education. Developing innovative didactical methods in digital education. Conducting (international) courses and seminars on STEAM innovations, including robot-integrated learning in all levels of education.

01/01/2021 – 31/08/2022 Tallinn, Estonia

BUSINESS COLLABORATION AND INNOVATION CHIEF SPECIALIST TALLINN UNIVERSITY

Main tasks. Offering educational research services to international and local EdTech companies. Forming teams to implement these services and leading these temporary research groups. Consulting and implementing co-creation program between EdTech start-ups and university researchers <https://eduspace.tlu.ee/en/co-creation/>

01/01/2019 – 31/08/2021 Tallinn, Estonia

JUNIOR RESEARCHER IN EDUCATIONAL ROBOTICS IN SCHOOL OF EDUCATIONAL SCIENCES TALLINN UNIVERSITY

Main tasks. Conducting applied research on PhD topic: "Adopting and sustaining technological innovations in teachers' classroom practices – the case of integrating educational robots into math classes". Research involved over 3000 students and 130+ teachers in Estonia. The proposed innovative methodology is implemented in over 10 Estonian Schools. The results have successfully piloted in different countries, including Georgia, Spain etc. The results have been disseminated across Europe via TLU Summer and Winter Schools. The work contributed significantly to CEITER ERA Chair project results <https://edulabs.ee/english/> – robots in math. Forming a concept and setting up EDUSPACE research lab <https://eduspace.tlu.ee/en/> .

01/06/2018 – 31/12/2020 Tallinn, Estonia

CENTER OF EXCELLENCE IN EDUCATIONAL INNOVATION (CEEI), ANALYST TALLINN UNIVERSITY

Main tasks. Communication and dissemination activities for CEITER ERA Chair project <https://cordis.europa.eu/project/id/669074>

01/01/2014 – 31/05/2018 Tallinn

EDUCATOR FUTURE ROBOTICS OÜ

A robotics educator for the school teachers in popularising STE(A)M and robotics among educational sector (in cooperation with the Estonian Information Technology Foundation for Education) with the goal of relaying the necessary STE(A)M education through teachers to the children, helping thus growing a generation of highly educated young people.

● **EDUCATION AND TRAINING**

21/08/2017 – 18/10/2021 Tallinn, Estonia

DOCTOR OF PHILOSOPHY Tallinn University

Address Narva rd 25, Tallinn, Estonia | **Website** www.tlu.ee

04/08/1989 – 18/12/2000 Tallinn, Estonia

MASTER OF SCIENCE Tallinn University of Technology

Address Ehitajate tee 5, Tallinn, Estonia | **Website** <https://taltech.ee/>

● **LANGUAGE SKILLS**

Mother tongue(s): **ESTONIAN**

Other language(s):

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
ENGLISH	C2	C2	C2	C2	C2

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken production	Spoken interaction	
RUSSIAN	C1	C1	C1	C1	B2
FINNISH	B2	C2	B2	B2	B1
SPANISH	B1	C1	A2	A2	B1

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

● **DIGITAL SKILLS**

Microsoft Office | Microsoft Excel | Google Drive | Microsoft Word | Zoom | Microsoft Powerpoint | Decision-making | Microsoft: Microsoft Word, Microsoft PowerPoint, Microsoft Outlook, Microsoft Teams | Google (Google Meet, Google Docs, Google Classroom, Google Forms, Google Drive, Google Slide) | IBM Statistical Package for the Social Sciences (SPSS) - Utilizador Independente

● **ADDITIONAL INFORMATION**

NETWORKS AND MEMBERSHIPS

01/01/2020 – CURRENT

Europe's premier association of Knowledge Transfer professionals

01/01/2020 – CURRENT

Member of the Association for Smart Learning Ecosystems and Regional Development

01/01/2021 – CURRENT

Scientific Editor Assistant Video Section of Interaction Design & Architecture(s)

01/01/2021

Robotics in Education Conference International Programme Committee

01/01/2021 – CURRENT

Tallinn University Intellectual Property and Innovation Network

01/01/2021 – CURRENT

UNICA EduLAB, coordinator of micro-credentials workgroup

HONOURS AND AWARDS

01/01/2009

Language act of the year "Internet website for children in Estonian language"

01/01/2014

National Award for Popularizing Science and Technology: Popularizing Science and Technology by using Audio-Visual and Electronic Media

01/01/2018

National Award for Popularizing Science and Technology

01/01/2020

Excellent Paper Award of International Conference on the Advancement of STEAM 2020 "Borderless Connectivity"

01/01/2020

Tallinn University Teaching Act of the Year "Estonian Teacher in Russian Language Kindergarten"

01/01/2020

Tallinn University Teacher of the Year 2019

01/01/2020

Tallinn University Educational Innovator 2020

01/01/2021

Academic Achievement Award of International Conference on the Advancement on STEAM 2021 "Convergence, Creativities & Design in STEAM Education" Oct 22-23, 2021 for their research "Supporting the sustained adoption of emerging technologies by focusing

01/01/2021

Winner of Tallinn University's Competition for applied Research and Development (project manager)

01/01/2022

National Competition for Educational Research Papers, 2nd prize in the category of research papers / articles published in a foreign language

01/01/2022

National Competition for Educational Research Papers, 2nd Prize in the Doctoral Thesis Category

01/01/2022

TLU recognition - III place with supervised master's thesis (Elo Pajumaa, Gerda Dontsov-Kenk)

01/01/2022

TLU recognition - III place with supervised bachelor's thesis (Alina Morozov).

01/01/2022

2nd place in the Tallinn University University Student Research Publication Competition of 2020/2021, in the category of scientific publications

PROJECTS

TKA22035. "Application for the development of green and smart city (1.12.2021–31.01.2024)", Janika Leoste, Tallinn University, School of Educational Sciences.

TKA20199. "Upgrading pre- and in-service teachers' digital skills with online STEAM hands-on training modules (1.12.2020–31.08.2023)", Janika Leoste, Tallinn University, School of Educational Sciences.

TÕA21104. "STEM Digital Distance Learning in University Teaching (1.06.2021–1.06.2023)", Priit Reiska, Tallinn University, School of Natural Sciences and Health.

TF3620. "Sustainable learning of natural sciences on the basis of a new learning approach (1.09.2020–31.05.2023)", Neeme Lumi, Tallinn University, School of Natural Sciences and Health, Tallinn University, School of Digital Technologies, Tallinn Univ

TKA21055. ""Digiloping Teachers" - Digital competences development and mentoring for teachers (1.05.2021–30.04.2023)", Janika Leoste, Tallinn University, School of Educational Sciences.

TKA21023. "A Framework for Efficient and Engaging Hybrid Education in Lower-secondary Schools (1.03.2021–28.02.2023)", Janika Leoste, Tallinn University, School of Educational Sciences.

TÕA21067. "ENhanced Learning and teaching in International Virtual ENvironments (1.03.2021–28.02.2023)", Janika Leoste, Tallinn University, School of Educational Sciences, Tallinn University, School of Digital Technologies.

TF2521. "ÕPPESTECH-METH Learning, teaching and integration of new technologies and approaches at the university. (1.06.2021–31.12.2022)", Larissa Jõgi, Tallinn University, School of Educational Sciences, Tallinn University, School of Governance, Law

TF/520. "Formation of EDUSPACE Interdisciplinary Research Group for Developing Research Methods and Tools for Technology-Enhanced Learning and Teaching (1.01.2020–30.06.2022)", Terje Väljataga, Tallinn University, School of Educational Sciences, Tall

TKA20068. "Digital competence in teacher training in the Nordic countries (15.05.2020–15.06.2022)", Maire Tuul, Tallinn University, School of Educational Sciences.

TKA20082A. "Scientific agreement with TTS Group (1.04.2020–31.03.2022)", Janika Leoste, Tallinn University, School of Educational Sciences.

TKA21177A. "Advising on data collection from ALPA Kids digital learning games for the preparation of a prototype of a personalized learning path, second stage (15.11.2021–31.12.2021)", Janika Leoste, Tallinn University.

TKA21047A. "Carrying out a co-creation program for educational technological innovation (29.03.2021–31.10.2021)", Janika Leoste, Tallinn University, School of Educational Sciences, Tallinn University, School of Digital Technologies, Tallinn University

TKA21107A. "Advising on data collection from ALPA Kids digital learning games for the preparation of a prototype of a personalized learning path, second stage (10.08.2021–27.08.2021)", Janika Leoste, Tallinn University, School of Educational Sciences

TF6920. "Development of a portfolio of interdisciplinary business education services for the EDUSPACE research laboratory (1.01.2021–30.06.2021)", Janika Leoste, Tallinn University, School of Educational Sciences.

TÕA20075. "My future colleague robot (1.05.2020–30.06.2021)", Janika Leoste, Tallinn University, School of Educational Sciences.

TKA21032A. "Advising on data collection from ALPA Kids digital learning games for the preparation of a prototype of a personalized learning path, first stage (3.03.2021–30.04.2021)", Janika Leoste, Tallinn University, School of Educational Sciences.

TA/5620. "Possibilities of the learning robot Bee-Bot in developing the social skills of children with autism spectrum disorders (15.10.2020–28.02.2021)", Tiiu Tammemäe, Tallinn University, School of Educational Sciences.

TRU20003. "Digital Learning Resources STEAM K12 (2.01.2020–31.12.2020)", Janika Leoste, Tallinn University, School of Educational Sciences.

TÕA20178A. "Computational Thinking and Control Technology with Rugged Robot Using Rugged Robot Across the Curriculum (15.10.2020–30.11.2020)", Janika Leoste, Tallinn University, School of Educational Sciences.

TA/5120. "Development of a EDUSPACE educational service prototype (1.07.2020–30.08.2020)", Janika Leoste, Tallinn University, School of Educational Sciences.

TF1719. "Creation of interactive math exercises, following modern teaching practices, for Robomath digital open learning resources, for the grades 3 and 6 (1.06.2019–30.09.2019)", Janika Leoste, Tallinn University, School of Educational Sciences.

TRU18084A. "Tallinn University expert service for organization of educational festival. (18.04.2018–20.10.2018)", Eve Eisenschmidt, Tallinn University, School of Educational Sciences.

PUBLICATIONS

[Bee-Bot educational robot as a means of developing social skills among children with autism-spectrum disorders](#)

– 2022

Leoste, Janika; Tammemäe, Tiiu; Eskla, Getter; San Martín López, José; Pastor, Luis; Peribáñez Blasco, Elena (2022). Bee-Bot educational robot as a means of developing social skills among children with autism-spectrum disorders. *Robotics in Education. RiE 2021: 12th International Conference on Robotics in Education*. Springer, 14–25. (Advances in Intelligent Systems and Computing; 1359). DOI: [10.1007/978-3-030-82544-7_2](https://doi.org/10.1007/978-3-030-82544-7_2).

[Enhancing Digital Skills of Early Childhood Teachers Through Online Science, Technology, Engineering, Art, Math Training Programs in Estonia](#)

– 2022

Leoste, Janika; Lavicza, Zsolt; Fenyvesi, Kristof; Tuul, Maire; Õun, Tiia (2022). Enhancing Digital Skills of Early Childhood Teachers Through Online Science, Technology, Engineering, Art, Math Training Programs in Estonia. *Frontiers in Education*, 7. DOI: [10.3389/educ.2022.894142](https://doi.org/10.3389/educ.2022.894142).

[Sustaining technology enhanced learning innovations in teachers' classroom practices](#) – 2021

Leoste, Janika (2021). Sustaining technology enhanced learning innovations in teachers' classroom practices. *EurekaAlert!*, 11.05.2021.

[Utilización de robots y narrativas \(storytelling\) para la enseñanza de derechos humanos en las aulas de infantil](#)

– 2021

Leoste, Janika; Pastor, Luis; Garre, Carlos; Seitlinger, Paul; Martino, Pilar; Peribáñez, y Elena (2021). UTILIZACIÓN DE ROBOTS Y NARRATIVAS (STORYTELLING) PARA LA ENSEÑANZA DE DERECHOS HUMANOS EN LAS AULAS DE INFANTIL. *Robótica y Tecnologías Emergentes aplicadas a la Innovación Educativa*.

Estudios y propuestas de actividad para Educación Infantil y Educación Especial (33–48). Dykinson, S.L.. DOI: [10.2307/j.ctv282jjz5.5](https://doi.org/10.2307/j.ctv282jjz5.5).

Robótica y Tecnologías Emergentes aplicadas a la Innovación Educativa. Estudios y propuestas de actividad para Educación Infantil y Educación Especial

– 2021

Leoste, Janika (2021). Robótica y Tecnologías Emergentes aplicadas a la Innovación Educativa. Estudios y propuestas de actividad para Educación Infantil y Educación Especial. San Martín, Jose; Peribáñez, Elena. Robótica y Tecnologías Emergentes aplicadas a la Innovación Educativa. Estudios y propuestas de actividad para Educación Infantil y Educación Especial (13–32). Hispania: Dykinson, S.L.. DOI: [10.2307/j.ctv282jjz5.4](https://doi.org/10.2307/j.ctv282jjz5.4).

Robots educativos como facilitadores del desarrollo de habilidades sociales en menores TEA – 2021

Leoste, Janika;; Tammemäe, Tiiu; Eskla, Getter; San Martín, José; Pastor, Luis; Peribáñez, Elena (2021). ROBOTS EDUCATIVOS COMO FACILITADORES DEL DESARROLLO DE HABILIDADES SOCIALES EN MENORES TEA. San Martín, Jose; Peribáñez, Elena. Robótica y Tecnologías Emergentes aplicadas a la Innovación Educativa. Estudios y propuestas de actividad para Educación Infantil y Educación Especial (49–66). Hispania: Dykinson, S.L.. DOI: [10.2307/j.ctv282jjz5.6](https://doi.org/10.2307/j.ctv282jjz5.6).

The Role of Social Practices of Knowledge Appropriation for Sustaining TEL Innovations in the Classroom

– 2021

Leoste, Janika; Ley, Timo Tobias; Heidmets, Mati; Stepanova, Jelena (2021). The Role of Social Practices of Knowledge Appropriation for Sustaining TEL Innovations in the Classroom. *Technology-Enhanced Learning for a Free, Safe, and Sustainable World*. Springer International Publishing, 28–36.

E-learning in the times of COVID-19: The main challenges in Higher Education – 2021

Leoste, Janika; Rakic, Slavko; Marcelloni, Francesco; Zuddio, Maria Francesca; Marjanovic, Ugljesa; Õun, Tiia (2021). E-learning in the times of COVID-19: The main challenges in Higher Education. *IEEE Proceedings: 19th IEEE International Conference on Emerging eLearning Technologies and Applications*. Ed. Jakab, František. IEEE.

Driver Drowsiness Detection Using Deep Convolutional Neural Network – 2021

Farahnakian, Farshad; Leoste, Janika; Farahnakian, Fahimeh (2021). Driver Drowsiness Detection Using Deep Convolutional Neural Network. *The International Conference on Electrical, Computer, Communications, and Mechatronics Engineering (ICECCME), October 7-8, 2021*. IEEE, 1–6. DOI: [10.1109/ICECCME52200.2021.9591029](https://doi.org/10.1109/ICECCME52200.2021.9591029).

Robótica y Tecnologías Emergentes aplicadas a la Innovación Educativa – 2021

Baltasar, Clara; Cruz, Alicia; Díez, Laura; Eskla, Getter; Garre, Carlos; Leoste, Janika; López, María Isabel; Martínez, Estefanía; Martino, Pilar; Parra, Laura; Pastor, Luis; Peribáñez, Elena; San Martín, José; Seitlinger, Paul; Tammemäe, Tiiu; Verde, Ana (2021). Robótica y Tecnologías Emergentes aplicadas a la Innovación Educativa. DYKINSON, S.L.; Madrid, España.

Adopting and sustaining technological innovations in teachers' classroom practices – the case of integrating educational robots into math classes

– 2021

Leoste, Janika (2021). Adopting and sustaining technological innovations in teachers' classroom practices – the case of integrating educational robots into math classes. PhD Thesis. Tallinn University, Estonia.

Experiencia de un curso internacional de desarrollo profesional docente usando el aprendizaje híbrido

– 2021

Leoste, Janika; Verde Trabada, Ana; Pastor, Luis; Tuul, Maire; Õun, Tiia (2021). Experiencia de un curso internacional de desarrollo profesional docente usando el aprendizaje híbrido. *Brazilian Journal of Development*, 7 (6). DOI: [10.34117/bjdv7n6-470](https://doi.org/10.34117/bjdv7n6-470).

Perceptions about the Future of Integrating Emerging Technologies into Higher Education—The Case of Robotics with Artificial Intelligence

– 2021

Leoste, Janika; Jõgi, Larissa; Õun, Tiia; Pastor, Luis; San Martín López, José; Grauberg, Indrek (2021). Perceptions about the Future of Integrating Emerging Technologies into Higher Education—The Case of Robotics with Artificial Intelligence. *Computers*, 10 (9). DOI: [10.3390/computers10090110](https://doi.org/10.3390/computers10090110).

Designing Training Programs to Introduce Emerging Technologies to Future Workers—A Pilot Study Based on the Example of Artificial Intelligence Enhanced Robotics

– 2021

Leoste, Janika; Õun, Tiia; Loogma, Krista; San Martin Lopez, Jose (2021). Designing Training Programs to Introduce Emerging Technologies to Future Workers—A Pilot Study Based on the Example of Artificial Intelligence Enhanced Robotics. *Mathematics*, 9, 22. DOI: [10.3390/math9222876](https://doi.org/10.3390/math9222876).

Adopting technology in schools: modelling, measuring and supporting knowledge appropriation – 2021

Ley, Tobias; Tammets, Kairit; Sarmiento-Márquez, Edna Milena; Leoste, Janika; Hallik, Maarja; Poom-Valickis, Katrin (2021). Adopting technology in schools: modelling, measuring and supporting knowledge appropriation. *European Journal of Teacher Education*. DOI: [10.1080/02619768.2021.1937113](https://doi.org/10.1080/02619768.2021.1937113).

The meaning and use of digital learning terms in Estonia, Hungary, Romania and Austria – 2022

Tuul, Maire; Tuul, Madis; Leoste, Janika; Jõgi, Larissa; Väärt, Sirly; Ferencz-Salamon, Alpár; Erősdi, Edit; Mäkelä, Tiina; Kankaanranta, Marja; Lázár, Csilla; Ferencz-Salamon, Katalin; Thrainger, Susanne (2022). The meaning and use of digital learning terms in Estonia, Hungary, Romania and Austria. In: Larissa Jõgi, Janika Leoste, Sirly Väärt, Maire Tuul, Csilla Lázár (Ed.). *A Flexible Framework for Hybrid Lower-Secondary Education (16–22)*. Tallinn: Tallinna Ülikool.

Telepresence Robots in Higher Education – the Current State of Research – 2022

Leoste, Janika; Kikkas, Kaido; Tammemäe, Kalle; Rebane, Martin; Laugasson, Edmund; Hakk, Kristiina (2022). Telepresence Robots in Higher Education – the Current State of Research. *Springer Series: Lecture Notes in Networks and Systems.: 13th International Conference on Robotics in Education. Virtuaalkonverents: 27.04.2022 – 28.04.2022*. Springer, 124–134. DOI: [10.1007/978-3-031-12848-6_12](https://doi.org/10.1007/978-3-031-12848-6_12).

Robots as My Future Colleagues: Changing Attitudes Toward Collaborative Robots by Means of Experience-Based Workshops

– 2022

Leoste, J.; Viik, T.; López, J.S.M.; Kangur, M.; Vunder, V.; Mollard, Y.; Õun, T.; Tammo, H.; Paekivi, K. (2022). Robots as My Future Colleagues: Changing Attitudes Toward Collaborative Robots by Means of Experience-Based Workshops. In: Oscar Mealha; Mihai Dascalu; Tania Di Mascio (Ed.). *Smart Innovation, Systems and Technologies (163–175)*. 6th conference on Smart Learning Ecosystems and Regional Development (SLERD 2021). Springer Singapore. DOI: [10.1007/978-981-16-3930-2_13](https://doi.org/10.1007/978-981-16-3930-2_13).

Environment Challenges of E-learning in Higher Education – the Teachers' Perspective – 2022

Leoste, Janika; Jõgi, Larissa; Õun, Tiia; Marjanovic, Ugljesa; Rakic, Slavko; Schöndorfer, Simone; Lefkofridi, Zoe (2022). Environment Challenges of E-learning in Higher Education – the Teachers' Perspective. *Smart Innovation, Systems and Technologies: 7th International Conference on Smart Learning Ecosystem and Regional Development*. Springer [forthcoming].

Enhancing Teacher-Student Digital Competence with Educational Robots – 2022

Heinmäe, Elyna; Leoste, Janika; Kori, Külli; Mettis, Kadri (2022). Enhancing Teacher-Student Digital Competence with Educational Robots. *Robotics in Education. RiE 2021: 12th International Conference on Robotics in Education*. Springer, 155–165. (Advances in Intelligent Systems and Computing; 1359). DOI: [10.1007/978-3-030-82544-7_15](https://doi.org/10.1007/978-3-030-82544-7_15).

Conceptualising Micro-Credentials in the Higher Education Research Landscape. A Literature Review

– 2022

Cartiş, Alexandru; Leoste, Janika; Iucu, Romiță; Kikkas, Kaido; Tammemäe, Kalle; Männik, Katrin (2022). Conceptualising Micro-Credentials in the Higher Education Research Landscape. A Literature Review. *Smart Innovation, Systems and Technologies: 7th International Conference on Smart Learning Ecosystem and Regional Development*. Springer [forthcoming].

My Future Colleague Robot – 2022

Leoste, Janika; Jõgi, Larissa; Tuul, Maire; Tammemäe, Tiiu; Sirk, Meidi; Kangur, Mihkel; Grauberg, Indrek; Viik, Tõnu; Ljalikova, Aleksandra (2022). *My Future Colleague Robot*. Tallinna Ülikool. ISBN 9789985589328

A Flexible Framework for Hybrid Lower-Secondary Education – 2022

Edit, Erősdi; Fenyvesi, Kristof; Ferencz-Salamon, Alpár; Ferencz-Salamon, Katalin; Galambos, Attila; Jõgi, Larissa; Kankaanranta, Marja; Kulkarni, Heramb; Kulkarni, Shirin; Lázár, Csilla; Leoste, Janika; Mäkelä, Tiina; Marcelloni, Francesco; Marjanovic, Ugljesa; Neittaanmäki, Pekka; Nurhasanah, Farida; Õun, Tiia; Pastor, Luis; Péter-Both, Erika; Rakic, Slavko ... Lavicza, Zsolt (2022). *A Flexible Framework for Hybrid Lower-Secondary Education*. Tallinn: Tallinn Ülikool. ISBN 9789949296026

Analyzing Co-Creation in Educational Living Labs using the Knowledge Appropriation Model. – 2018

Ley, Timo Tobias; Leoste, Janika; Poom-Valickis, Katrin; Rodríguez-Triana, María Jesús; Gillet, Denis; Väljataga, Terje. (2018). Analyzing Co-Creation in Educational Living Labs using the Knowledge Appropriation Model. *Joint Proceedings of the 1st Co- Creation in the Design, Development and Implementation of Technology-Enhanced Learning workshop (CC-TEL 2018) and Systems of Assessments for Computational Thinking Learning workshop (TACKLE 2018): Workshop on Co-Creation in the Design, Development and Implementation of Technology-Enhanced Learning (CC-TEL'18); University of Leeds/LS2 9JT Leeds/United Kingdom // 3 September 2018*. Ed. Alicja Piotrkowicz; Rosie Dent-Spargo; Sebastian Dennerlein; István Koren; Panagiotis Antoniou; Paul Bailey; Tamsin Treasure-Jones; Ilenia Fronza; Claus Pahl. CEUR-WS.org.

Co-Creation of Learning Designs: Analyzing Knowledge Appropriation in Teacher Training Programs

– 2019

Leoste, Janika; Tammets, Kairit; Ley, Tobias (2019). Co-Creation of Learning Designs: Analyzing Knowledge Appropriation in Teacher Training Programs. *FOURTEENTH EUROPEAN CONFERENCE ON TECHNOLOGY ENHANCED LEARNING. Transforming Learning With Meaningful Technologies. Delft, 16. - 19. september 2019*. CEUR-WS.org: CEUR Workshop Proceedings.

The Role of Educational Technologist in Robot supported Math Lessons – 2019

Leoste, Janika; Heidmets, Mati (2019). The Role of Educational Technologist in Robot supported Math Lessons. *Advances in Intelligent Systems and Computing*. Springer, 467–477. DOI: [10.1007/978-3-030-35990-4_38](https://doi.org/10.1007/978-3-030-35990-4_38).

The Impact of Educational Robots as Learning Tools on Mathematics Learning Outcomes in Basic Education

– 2019

Leoste, Janika; Heidmets, Mati (2019). The Impact of Educational Robots as Learning Tools on Mathematics Learning Outcomes in Basic Education. *Digital Turn in Schools—Research, Policy, Practice: ICEM2018; Tallinn; September 5-7*. Ed. Väljataga, Terje; Laanpere, Mart. Singapore: Springer Nature, 203–217. DOI: [10.1007/978-981-13-7361-9_14](https://doi.org/10.1007/978-981-13-7361-9_14).

Factors Influencing the Sustainability of Robot Supported Math Learning in Basic School – 2019

Leoste, Janika; Heidmets, Mati (2019). Factors Influencing the Sustainability of Robot Supported Math Learning in Basic School. *Advances in Intelligent Systems and Computing: ROBOT'2019: Fourth Iberian Robotics Conference; 2019 November*. Springer, 443–454. DOI: [10.1007/978-3-030-35990-4_36](https://doi.org/10.1007/978-3-030-35990-4_36).

Bringing an Educational Robot into a Basic Education Math Lesson – 2019

Leoste, Janika; Heidmets, Mati (2019). Bringing an Educational Robot into a Basic Education Math Lesson. *Springer Series: Advances in Intelligent Systems and Computing: 10th International Conference on Robotics in Education; Vienna, April 10-12, 2019*. Ed. Balogh, Richard; Lepuschitz, Wilfried; Obdržálek, David. Springer, 237–247. DOI: [10.1007/978-3-030-26945-6_21](https://doi.org/10.1007/978-3-030-26945-6_21).

Co-Creating Learning Designs in Professional Teacher Education: Knowledge Appropriation in the Teacher's Innovation Laboratory

– 2019

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