

Assessing interaction mechanics in extended reality for control engineering applications

Remenyi, Armin; Alsaleh, Saleh; Tepljakov, Aleksei 2024 32nd International Conference on Software, Telecommunications and Computer Networks, SoftCOM 2024 2024 <https://doi.org/10.23919/SoftCOM62040.2024.10721783> [Article at Scopus](#)

Avatars' phygital social presence in the metaverse: An engaged theory perspective

Sprott, David E.; Hollebeek, Linda Desiree; Sigurdsson, Valdimar; Clark, Moira K.; Urbonavicius, Sigitas Psychology and Marketing 2025 / p. 1528-1540 <https://doi.org/10.1002/mar.22191>

Collective intelligence systems from an organizational perspective

Draheim, Dirk iiWAS2019 : The 21st International Conference on Information Integration and Web-based Applications & Services : proceedings 2019 / p. 3-4 : ill <https://doi.org/10.1145/3366030.3368457>

Considerations regarding the concept of cost-effective power-assist wheelchair subsystems (case study and initial evaluation)

Galkin, Ilja; Podgornovs, Andrejs; Blinov, Andrei; Kosenko, Roman Scientific Journal of Riga Technical University. Electrical, control and communication engineering 2018 / p. 71-80 : ill <https://doi.org/10.2478/ecce-2018-0008>

Digital Object Memory based monitoring solutions in manufacturing processes

Aruväli, Tanel; Maass, Wolfgang; Otto, Tauno Procedia engineering 2014 / p. 449-458 : ill <https://doi.org/10.1016/j.proeng.2014.03.011> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Digital Object Memory integration into indirect surface roughness measurement in turning

Aruväli, Tanel; Otto, Tauno 4th Mechanical and Manufacturing Engineering : selected, peer reviewed papers from the 4th International Conference on Mechanical and Manufacturing Engineering (ICME 2013), December 17-18, 2013, Bangi-Putrajaya, Malaysia 2014 / p. 764-768 <https://doi.org/10.4028/www.scientific.net/AMM.465-466.764> [Article at Scopus](#) [Article at WOS](#)

Eestlane leiutas puutetundliku ekraani pimedatele : [TTÜ doktorandi Erkki Joasoone leiutisest]

Inseneria 2009 / lk. 5 : ill https://artiklid.elnet.ee/record=b1140830*est

Evaluating chatbots to promote users' trust - practices and open problems

Srivastava, Biplav; Lakkaraju, Kausik; Koppel, Tarmo; Narayanan, Vignesh; Kundu, Ashish; Joshi, Sachindra arXiv 2023 / 9 p <https://doi.org/10.48550/arXiv.2309.05680>

Framework for peer-to-peer data sharing over Web browsers

Pattanaik, Vishwajeet; Sharvadze, Ioane; **Draheim, Dirk** Future Data and Security Engineering : 6th International Conference, FDSE 2019 Nha Trang City, Vietnam, November 27-29, 2019 : proceedings 2019 / p. 207-225 : ill https://doi.org/10.1007/978-3-030-35653-8_14 [Conference proceeding at Scopus](#) [Article at Scopus](#) [Conference proceeding at WOS](#) [Article at WOS](#)

Frameworks for collective intelligence : a systematic literature review

Suran, Shweta; Pattanaik, Vishwajeet; Draheim, Dirk ACM computing surveys 2020 / art. 14, p. 1-36 <https://doi.org/10.1145/3368986> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Generating tomorrow's me : How collaborating with generative AI changes humans

Adam, Martin; Bauer, Kevin; Jussupow, Ekaterina; Stein, Mari-Klara; Benlian, Alexander Business & Information Systems Engineering 2025 / 12 p <https://doi.org/10.1007/s12599-025-00961-3>

Human-computer interaction languages : user-friendly syntax

Henno, Jaak Encyclopedia of mikrocomputers. Vol. 8 1991 / p. 297-304

Humanization of e-services : human interaction metaphor in design of e-services

Murdvee, Mart Advances and Innovations in Systems, Computing Sciences and Software Engineering 2007 / p. 307-311

Inseneripsühholoogia rakendusi arvutustehnikas : metoodiline materjal

1992 https://www.ester.ee/record=b1062943*est

Intelligent virtual environments with assessment of user experiences

Köse, Ahmet; Tepljakov, Aleksei; Petlenkov, Eduard Artificial Intelligence and Soft Computing : 20th International Conference, ICAISC 2021, Virtual Event, June 21-23, 2021 : proceedings, Part I 2021 / p. 463-474 : ill https://doi.org/10.1007/978-3-030-87986-0_41 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings 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](#)

Let's add highly stressed people to the cyber-physical-social system

Teichmann, Mare; Ehala, Johannes; Kaugerand, Jaanus; Meriste, Merik; Rannat, Kalev Proceedings of Conference on Cognitive and Computational Aspects of Situation Management 2023 2024 / p. 54-65 <https://doi.org/10.29007/mzbq> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Microfoundations of rationality in the age of AI : On emotions, bodies and intelligence

Stein, Mari-Klara; Shollo, Arisa Information and Organization 2025 / art. 100583 <https://doi.org/10.1016/j.infoandorg.2025.100583>

Model-based integration testing of ROS packages : a mobile robot case study

Ernits, Juhan-Peep; Halling, Evelin; Kanter, Gert; Vain, Jüri 2015 European Conference on Mobile Robots : Lincoln, United Kingdom, September 2-4, 2015 : conference proceedings 2015 / [7] p. : ill <http://dx.doi.org/10.1109/ECMR.2015.7324210>

Monitoring of the human motor functions rehabilitation by neural networks based system with Kinect sensor

Nõmm, Sven; Buhhalko, Kirill 12th IFAC, IFIP, IFORS, IEA Symposium on Analysis, Design, and Evaluation of Human-Machine Systems, 2013 : Las Vegas, United States of America : August 11-14 2013 : proceedings 2013 / p. 249-253 <https://doi.org/10.3182/20130811-5-US-2037.00062> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

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](#)

A novel human-machine interface evaluation methodology for passenger vehicles

Aksjonov, Andrei 17th International Symposium "Topical Problems in the Field of Electrical and Power Engineering". Doctoral school of energy and geotechnology. III : Kuressaare, Estonia, January 15-20, 2018 2018 / p. 72–78 : ill http://www.ester.ee/record=b4763182*est http://ise.elnet.ee/record=b2950019~S2*est

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](#)

Spontaneous webcam instance for user attention tracking

Robal, Tarmo PICMET19 : Portland International Conference on management of engineering and technology : Technology and Management in the World of Intelligent Systems : proceedings 2019 / 8 p. : ill <https://doi.org/10.23919/PICMET.2019.8893798>

Studying the incorrect user behaviour in sophisticated self-service portal user interfaces

Marenkov, Jevgeni; Robal, Tarmo; Kalja, Ahto Proceedings of the 8th Annual Conference of the Estonian National Doctoral School in Information and Communication Technologies : December 5-6, 2014, Rakvere 2014 / p. 71-74 : ill

TalTechi Virumaa Kolledžis töötab uus sotsiaalrobot

Imeline Teadus 2025 / lk. 18 : fot https://www.ester.ee/record=b2747925*est

The tactile feedback device for multi-touch user interfaces = Kompeaistingul põhineva tagasisidega seade multi puutetelise kasutajaliidese jaoks

Joasoon, Erkki 2010 https://www.ester.ee/record=b2607114*est

Towards assisting interactive reality : interactive reality for education, data analysis and industry

Köse, Ahmet; Tepljakov, Aleksei; Petlenkov, Eduard Augmented Reality, Virtual Reality, and Computer Graphics : 5th International Conference : AVR 2018, Otranto, Italy, June 24–27, 2018 : proceedings, Part I 2018 / p. 569-588 https://doi.org/10.1007/978-3-319-95282-6_41 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference Proceedings at WOS](#) [Article at WOS](#)

Towards context-sensitive dialogue with robot companion

Vain, Jüri; Sarapuu, Helena BEC 2014 : 2014 14th Biennial Baltic Electronics Conference : proceedings of the 14th Biennial Baltic Electronics Conference : Tallinn University of Technology, October 6-8, 2014, Tallinn, Estonia 2014 / p. 205-208 : ill

Trust and Trustworthiness from Human-Centered Perspective in Human–Robot Interaction (HRI)—A Systematic Literature Review

Firmino de Souza, Debora; Da Costa Sousa, Sonia Claudia; Kristjuhan-Ling, Kadri; Dunajeva, Olga; Roosileht, Mare; Pentel, Avar; Möttus, Mati; Özdemir, Mustafa Can; Gratsjova, Žanna Electronics 2025 / art. 1557 <https://doi.org/10.3390/electronics14081557> <https://www.mdpi.com/2079-9292/14/8/1557>

Vaegnägijad tänavad tehnikaülikooli

Kasepalu, Priit Mente et Manu 2014 / lk. 14 : fot https://artiklid.elnet.ee/record=b2686649*est

Various ways for controlling different types of devices using EMG signals

Röbak, Dmitri; Penkov, Igor Machines, technologies, materials 2017 / p. 128-130 : ill <http://stumejournals.com/mtm.html>

Various ways for controlling different types of devices using EMG technology

Röbak, Dmitri Doctoral School of Energy and Geotechnology II : closing conference of the project : Pärnu, Estonia, January 12-17, 2015 2015 / p. 174-176 : ill

What your computer still can't know : a refutation of Bringsjord's refutation of Searle's refutation of Bostrom and Floridi

Pietarinen, Ahti-Veikko What Social Robots Can and Should Do : proceedings of Robophilosophy 2016 / TRANSOR 2016 2016 / p. 280-290 <https://doi.org/10.3233/978-1-61499-708-5-280> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Virtual reality digital twin interfaces in human-robot colloboration

Pizzagalli, Simone Luca 20th International Symposium "Topical problems in the field of electrical and power engineering. Doctoral school of energy and geotechnology. III" : Tallinn, Estonia, September 8-10, 2021 2021 / p. 23-24
https://www.ester.ee/record=b5457278*est

VR/MR supporting the future of defensive cyber operations

Kullman, Kaur; Ryan, Matt; Trossbach, Lee IFAC-PapersOnLine 2019 / p. 181-186 : ill <https://doi.org/10.1016/j.ifacol.2019.12.093>