

Application of the principles of combinatorics to optimize 'man-machine-environment' systems regarding industrial safety and ergonomics

Kiivet, Gunnar Tallinna Tehnikaülikooli Toimetised 1991 / lk. 3-14: ill

Artificial intelligence, value alignment and rationality

Bekenova, Zhumagul; Mürsepp, Peeter; Nuryseva, Gulzhikhan; Turarbekova, Laura TalTech journal of European studies 2022 / p. 79-98 <https://doi.org/10.2478/bjes-2022-0004> https://www.ester.ee/record=b5290032*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Audiovisual emotion recognition in wild

Avots, Egils; Sapinski, Tomasz; Bachmann, Maie; Kaminska, Dorota Machine Vision and Applications 2019 / p. 975–985 : ill <https://doi.org/10.1007/s00138-018-0960-9> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Beyond algorithm aversion in human-machine decision-making

Burton, Jason W.; Stein, Mari-Klara; Jensen, Tina Blegind Judgment in predictive analytics 2023 / p. 3-26 https://doi.org/10.1007/978-3-031-30085-1_1

Collaborative innovation and human-machine networks

Kattel, Rainer; Lember, Veiko; Tõnurist, Piret Public management review 2020 / p. 1652-1673 <https://doi.org/10.1080/14719037.2019.1645873> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Deep CNN based classification of the Archimedes spiral drawing tests to support diagnostics of the Parkinson's disease

Nõmm, Sven; Zarembo, Sergei; Medijainen, Kadri; Taba, Pille; Toomela, Aaro IFAC-Papers OnLine 2020 / p. 260-264 <https://doi.org/10.1016/j.ifacol.2021.04.185> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Ethical lawyer or moral computer - historical and contemporary discourse on incredulity between the human and a machine

Kerikmäe, Tanel; Mürsepp, Peeter; Särav, Sandra; Chochia, Archil Вісник Національної академії правових наук України 2017 / p. 27-42

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>

Factors affecting substantially the quality of ergonomic ("man-machine-environment") systems

Kiivet, Gunnar NES'94 : Nordiska Ergonomisällskapets årskonferens, 14-16 september 1994, Stenungsund, Sverige : proceedings 1994 / p. 115-118

14th IFAC Symposium on Analysis, Design, and Evaluation of Human Machine Systems HMS 2019, Tallinn, Estonia, 16–91 September 2019 : proceedings

2019 <https://www.sciencedirect.com/journal/ifac-papersonline/vol/52/issue/19>

Ida-Virumaa luuakse uudne robotilabor

Virumaa Teataja 2024 / lk. 1 <https://dea.digar.ee/article/virumaateataja/2024/01/12/5>

Independent interactive testing of interactive relational systems

Lohk, Ahti; Võhandu, Leo Man-machine interactions 3 2014 / p. 63-70

Inimese ja tehisintellekti koostöö täiustab õigusvaldkonda

Solarte Vasquez, Maria Claudia digi.teenus.ee 2024 [Inimese ja tehisintellekti koostöö täiustab õigusvaldkonda](#)

Inimesed ja automaadid

Agur, Ustus 1966 https://www.ester.ee/record=b1352413*est

Inimtegur tehnikas

Mägi, Vahur Tehnika ja Tootmine 1970 / lk. 44-47 :ill https://www.ester.ee/record=b1073047*est

Intelligent functions development on autonomous electric vehicle platform

Wang, Ruxin; Sell, Raivo; Rassõlkin, Anton; Otto, Tauno; Malayjerdi, Ehsan Journal of machine engineering 2020 / p. 114-125 <https://doi.org/10.36897/jme/117787> [Journal metrics at Scopus](#) [Article at Scopus](#)

Interactive whiteboards in extended reality for advanced control system design

Tepljakov, Aleksei 44th International Conference on Telecommunications and Signal Processing (TSP) 2021 / p. 1-5 <https://doi.org/10.1109/TSP52935.2021.9522616>

Lean automation for low-volume manufacturing environment

Karaulova, Tatjana; Andronnikov, Konstantin; **Mahmood, Kashif, Ševtšenko, Eduard** Proceedings of the 30th International DAAAM Symposium : Intelligent Manufacturing & Automation, 23-26th October 2019, Zadar, Croatia 2019 / p. 0059-0068 : ill <https://doi.org/10.2507/30th.daaam.proceedings.008>

Learning timed automata from interaction traces

Vain, Jüri; Kanter, Gert; Anier, Aivo IFAC-PapersOnLine 2019 / p. 205-210 <https://doi.org/10.1016/j.ifacol.2019.12.097> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Methods and ways influencing the reliability of ergonomic (man-machine-environment) systems: safety and management aspects

Kiivet, Gunnar Tallinna Tehnikaülikooli Toimetised 1994 / lk. 12-26: ill

A model of optimizing man - machine - environment system

Kiivet, Gunnar; Kristjuhan, Ülo CAES'92 : International Conference on Computer-Aided Ergonomics and Safety : May 18-20, 1992, Tampere, Finland : poster texts 1992 / p. 19-21

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

Nõmm, Sven; Buhalko, 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](#)

“MY LITTLE CYBORG” : Human, machine, and the philosophical paradoxes of difficult humanism

Turarbekova, Laura; Nuryшева, Gulzhikhan; Sartayeva, Raushan; **Müürsepp, Peeter** The Journal of the International Committee for the History of Technology 2024 / p. 109-126 <https://doi.org/10.11590/icon.2024.2.05>

Quo vadis, robot?

Listak, Madis Horisont 2005 / 4, lk. 10-14 : fot https://artiklid.elnet.ee/record=b2038767*est

Reliability prediction for man-machine production lines

Karaulova, Tatjana; Pribytkova, Marina DAAAM International Scientific Book 2009 2009 / p. 487-500 <https://go.gale.com/ps/i.do?id=GALE%7CA224335557&sid=googleScholar&v=2.1&it=r&linkaccess=fulltext&issn=17269687&p=AONE&sw=w&userGroupName=anon%7E51d564e8&aty=open-web-entry>

Research and development of computational-intelligence–based safety Systems for ground vehicles = Tehisintellekti meetoditel põhinevate ohutussüsteemide uurimine ja arendamine maapealsete sõidukite jaoks

Aksjonov, Andrei 2019 <https://digi.lib.ttu.ee/i/?12389>

Research on upper-body exoskeletons for performance augmentation of production workers

Abdelmomen, Mohamed; Dengiz, Ozan Fuat; Hoda, Samir; **Tamre, Mart** Proceedings of the 30th International DAAAM Symposium : Intelligent Manufacturing & Automation, 23-26th October 2019, Zadar, Croatia 2019 / p. 0904-0913 : ill <https://doi.org/10.2507/30th.daaam.proceedings.126>

Robot ja pöder käivad ühte jalga

Vaaks, Eveliis Trialoog 2025 <https://trialoog.taltech.ee/robot-ja-poder-kaivad-uh-te-jalga/>

Simulation of logic-informational processes by means of problems-oriented computer languages

Tamm, Boris, inform. 5e congrès international de cybernétique : Namur, 11-15 Septembre 1967 : extrait = 5th International Congress on Cybernetics : Namur, September 11-15th 1967 : extract 1968 / p. 51-61 : ill

SMA-based haptic gloves usage in the smart factory concept : XR use case

Srivastava, Rupal; Kuts, Vladimir; Souza Gouveia, E. L.; Murray, Niall; Devine, Declan; O'Connell, Eoin Proceedings of ASME 2022 International Mechanical Engineering Congress and Exposition (IMECE2022), 2B: Columbus, Ohio, USA, October 30 - November 3, 2022 2022 / art. IMECE2022-94305, V02BT02A017, 10 p <https://doi.org/10.1115/IMECE2022-94305>

A study on user click behaviour for WIS user interface improvements

Marenkov, Jevgeni; Robal, Tarmo; Kalja, Ahto Databases and information systems VIII : selected papers from the Eleventh International Baltic Conference, DB&IS 2014 2014 / p. 173-186 : ill <https://doi.org/10.3233/978-1-61499-458-9-173> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Tehisaru - inimesed - robotid : [viienda tööstusrevolutsiooni ootel]

Alvela, Ain Tehnikamaailm 2025 / lk. 44-48 : ill https://www.ester.ee/record=b1073050*est

The benefits of self-awareness and attention in fog and mist computing

Preden, Jürjo-Sören; Tammemäe, Kalle; Jantsch, Axel; **Leier, Mairo; Riid, Andri;** Calis, Emine Computer 2015 / p. 37-45 : ill <https://doi.org/10.1109/MC.2015.207> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Theoretical basis and applied methods to resolve organizational and management problems of industrial safety for 'man-machine' systems

Kiivet, Gunnar Tallinna Tehnikaülikooli Toimetised 1991 / lk. 15-28: ill

Trust in human-robot interaction : the role of appearance

Váňová, Veronika What Social Robots Can and Should Do 2016 / p. 357-359 <https://doi.org/10.3233/978-1-61499-708-5-357>
[Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Trust models and theories in human–computer interaction: A systematic literature review

Gulati, Siddharth; McDonagh, Joe; **Da Costa Sousa, Sonia Claudia**; Lamas, David Computers in human behavior reports 2024 / art. 100495 <https://doi.org/10.1016/j.chbr.2024.100495>

Unified interface for programming and control of industrial robots

Bondarenko, Yevhen; Pizzagalli, Simone Luca; Kuts, Vladimir; Otto, Tauno EuroXR 2023 : Proceedings of the 20th EuroXR International Conference 2023 / p. 182-185 <https://doi.org/10.32040/2242-122X.2023.T422>
<https://publications.vtt.fi/pdf/technology/2023/T422.pdf>

User-centred design in industrial collaborative automated systems

Pizzagalli, Simone Luca; Kuts, Vladimir; Otto, Tauno Proceedings of the Estonian Academy of Sciences 2021 / p. 436-443 : ill
<https://doi.org/10.3176/proc.2021.4.10> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Vertrauenswürdiges Systemdesign – die Perspektive des Faktors Mensch

Da Costa Sousa, Sonia Claudia; Beltrao, Gabriela; Paramonova, Iuliia; **Firmino de Souza, Debora C.** Künstliche Intelligenz in der Militärtechnologie: Soziologische, kulturelle und ethische Perspektiven 2025 / p. 211-230 https://doi.org/10.1007/978-3-658-47996-1_10

Vigadetegemise uurimise küsimusi

Pavelson, Henno Актуальные вопросы охраны труда и правовой охраны промышленной собственности 1989 / lk. 91-96

Концептуальная модель и принципы управления охраной труда в человеко-машинных системах

Kiivet, Gunnar Актуальные вопросы охраны труда и правовой охраны промышленной собственности 1989 / с. 10-23

Методологические проблемы повышения социально-экономической и организационно-технической эффективности человека - машинных систем на производстве

Kiivet, Gunnar Повышение социально-экономической эффективности производства в условиях научно-технического прогресса : (ускорение НТП в условиях полного хозяйственного расчета и самофинансирования) : сборник научных трудов 1989 / с. 113-120 : илл https://www.ester.ee/record=b2299783*est

Методология моделирования и оптимизации простых систем "человек-техника- среда" с аспекта безопасности труда и эргономики

Kiivet, Gunnar Актуальные вопросы охраны труда и правовой охраны промышленной собственности 1989 / с. 24-45

О несоответствиях в системе "человек-машина-производственная среда"

Paalman, Malle Актуальные вопросы охраны труда и правовой охраны промышленной собственности 1987 / с. 19-29

О причинах тяжелого травматизма в Эстонской ССР в 1980 году

Paalman, Malle Актуальные вопросы охраны труда и правовой охраны промышленной собственности 1985 / с. 75-86

Об автоматизированной системе реального времени КТ-I и о методе эргономического исследования детерминированных рабочих процессов (операции) в системе "человек-техника"

Kiivet, Gunnar; Tosso, Henn Reaalajasüsteemid automatiseeritud ergonoomilistes uuringutes = Автоматизированные системы реального времени для эргономических исследований : vabariikliku konverentsi teesid : Tartu-Kääriku, 28.-29. september 1988. a. 1988 / с. 8-10 <https://dspace.ut.ee/handle/10062/54627> https://www.ester.ee/record=b1256601*est