

Andres Nöps: "Mul ei ole suva diisliga tossutamisest" [Võrguväljaanne]

Veedla, Alice rohe.geenius.ee 2021 ["Andres Nöps: "Mul ei ole suva diisliga tossutamisest""](#)

Cyber contingencies impacts analysis in cyber physical power system

Chen, Keren; **Wen, Fushuan; Palu, Ivo** IEEE International Conference on Energy Internet : ICEI 2019, Nanjing, China, 27-31 May, 2019 : proceedings 2019 / p. 37-41 : ill <http://doi.org/10.1109/ICEI.2019.00013>

Cyber-physical control system for autonomous logistic robot

Pikner, Heiko; Sell, Raivo; Karjust, Kristo; Malayjerdi, Ehsan; Velsker, Tarmo 2021 IEEE 19th International Power Electronics and Motion Control Conference, The Silesian University of Technology Gliwice, Poland, 25 - 29 April, 2021 (PEMC) : proceedings 2021 / p. 699-704 : ill <https://doi.org/10.1109/PEMC48073.2021.9432526>

Cyber-physical microgrids : toward flexible energy districts

Rosin, Argo; Ahmadiyahangar, Roya; Martins, Joao; Sahoo, Subham; Blaabjerg, Frede Cyber Security for Microgrids 2022 / p. 161-178 : ill https://doi.org/10.1049/PBPO196E_ch8

Cyber-physical universal safety and crash detection system for autonomous robot

Pikner, Heiko; Malayjerdi, Mohsen Robotic systems and applications 2021 / p. 46-52 : ill <https://doi.org/10.21595/rsa.2021.22113>

Cyber-physical universal safety and crash detection system for autonomous robot

Pikner, Heiko; Sell, Raivo; Malayjerdi, Mohsen The 16th International Conference "Mechatronic Systems and Materials" MSM 2021 July 1, 2021 – July 2, 2021 : abstract book 2021 / p. 16-17 http://msm.vgtu.lt/files/conferences/1/MSM2021Abstract_Book_04005.pdf

Decision-making method for sound volume control in the 'Smart House' system

Hovorushchenko, Tetiana; Aleksov, Serhii; **Boyarchuk, Artem** 2024 IEEE 19th International Conference on Computer Science and Information Technologies (CSIT) : proceedings, 16-19 October 2024, Lviv, Ukraine 2024 / 4 p. <https://doi.org/10.1109/CSIT65290.2024.10982549> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Developing multi-view Contracts using Event-B and Uppaal Timed Automata

Vain, Jüri; Tsiopoulos, Leonidas; Guin, Jishu 2016 21st International Conference on Engineering of Complex Computer Systems : ICECCS 2016 : Dubai, United Arab Emirates, 6-8 November 2016 : proceedings 2016 / p. 126-134 : ill <https://doi.org/10.1109/ICECCS.2016.024>

Development methodology for creating the digital twin for propulsion drive of an electric vehicle = Elektrisõiduki veoajami digitaalse kaksiku arendusmetoodika

Rjabtšikov, Viktor 2024 https://www.ester.ee/record=b5685462*est <https://digikogu.taltech.ee/et/Item/6cbd2dba-76a5-4931-a9f3-53b9d4d87c1e> <https://doi.org/10.23658/taltech.29/2024>

Distributed signal processing for situation assessment in cyber-physical systems = Hajutatud signaalitöötlus olukorra hindamiseks küberfüüsilikes süsteemides

Astapov, Sergei 2016 <http://digi.lib.ttu.ee/i/76212> https://www.ester.ee/record=b4603470*est

DTRON : a tool for distributed model-based testing of time critical applications

Anier, Aivo; Vain, Jüri; Tsiopoulos, Leonidas Proceedings of the Estonian Academy of Sciences 2017 / p. 75-88 : ill <https://doi.org/10.3176/proc.2017.1.08> http://www.ester.ee/record=b2355998*est [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Enabling the teaching factory leveraging a virtual reality system based on the digital twin

Kuts, Vladimir; Otto, Tauno; Caldarola, Enrico G.; Modoni, Gianfranco E.; Sacco, Marco The Industrial Track of EuroVR 2018: Proceedings of the 15th Annual EuroVR Conference 2018 / p. 26–31 : ill <https://www.vtt.fi/inf/pdf/technology/2018/T339.pdf>

Energy-efficient autonomous systems - capacity building cross-border educational initiative

Kunicina, Nadezda; Plonis, Darius; Bruzgiene, Rasa; **Rassõlkin, Anton** 2025 IEEE 12th Workshop on Advances in Information, Electronic and Electrical Engineering (AIEEE) 2025 / 5 p <https://doi.org/10.1109/AIEEE66149.2025.11050877>

Hierarchical attention network to manage processing resources of CPSs

Tammemäe, Kalle SelPhys Program 2017 <https://www.ict.tuwien.ac.at/selphys2017/program>

Holistic cyber-physical approach for the performance evaluation of communication and control systems in DC microgrids

Véliz, Antonio; Contreras, René; Riffo, Sebastián; Restrepo, Carlos; Garcés-Ruiz, Alejandro; **Chub, Andrii;** González-Castaño, Catalina; Flores-Bahamonde, Freddy IEEE journal of emerging and selected topics in power electronics 2025 <https://doi.org/10.1109/JESTPE.2025.3564851> <https://ieeexplore.ieee.org/document/10977842>

Identifying cyber attack vulnerabilities in the main lubricating oil system of marine propulsion units

Gülmez, Yigit; Konur, Olgun; **Erbas, Muhammed;** **Bauk, Sanja** International Journal of Critical Infrastructure Protection 2025 / art. 100810 <https://doi.org/10.1016/j.ijcip.2025.100810> <https://www.sciencedirect.com/science/article/pii/S187454822500071X?via%3Dihub> [Article at Scopus](#)

Mobile cyber-physical system for diabetic patients' health status monitoring

Hovorushchenko, Tetiana; Pytlyak, Maksym; Hovorushchenko, Olha; Paionk, Illya; Osyadlyi, Vitaliy; **Boyarchuk, Artem** IDDM 2023 : Informatics & Data-Driven Medicine 2023 : proceedings of the 6th International Conference on Informatics & Data-Driven Medicine, Bratislava, Slovakia, November 17-19, 2023 2023 / p. 27 - 36 <https://ceur-ws.org/Vol-3609/> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Mobile cyber-physical system for monitoring the health of patients with cardiovascular diseases

Hovorushchenko, Tetiana; Hryshchuk, Illia; Hovorushchenko, Olha; Rei, Kostyantyn; **Boyarchuk, Artem** CITRisk 2022 : Computational & Information Technologies for Risk-Informed Systems 2022 : Proceedings of the 3rd International Workshop on Computational & Information Technologies for Risk-Informed Systems (CITRisk 2022)co-located with XXII International scientific and technical conference on Information Technologies in Education and Management (ITEM 2022) 2022 / p. 86 - 95 <https://ceur-ws.org/Vol-3422/Paper8.pdf> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Model based framework for distributed control and testing of cyber-physical systems = Mudelipõhine raamistik küberfüüsikaliste süsteemide hajusjuhtimiseks ja -testimiseks

Anier, Aivo 2016 <http://digi.lib.ttu.ee/i/?6133> https://www.ester.ee/record=b4601197*est

Model-based system architecture for event-triggered wireless control of bio-analytical devices

Ashraf, Kanwal; Le Moullec, Yannick; Pardy, Tamas; Rang, Toomas 2021 24th Euromicro Conference on Digital System Design (DSD), 01-03 September 2021 2021 / p. 465–471 : ill <https://doi.org/10.1109/DSD53832.2021.00076>

MPM4CPS : Multi-Paradigm Modelling for Cyber-Physical Systems

Vangheluwe, Hans; Amaral, Vasco; **Norta, Alexander** STAF16-DS-PS 2016 : STAF 2016 Doctoral Symposium and Projects Showcase : joint proceedings of the Doctoral Symposium and Projects Showcase Held as Part of STAF 2016 co-located with Software Technologies : Applications and Foundations (STAF 2016) : Vienna, Austria, July 4-7, 2016 2016 / p. 40-47 <http://ceur-ws.org/Vol-1675/> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Multi-layer cyber-physical control method for mobile robot safety systems

Pikner, Heiko; Sell, Raivo; Majak, Jüri; Karjust, Kristo Proceedings of the Estonian Academy of Sciences 2021 / p. 383-391 : ill <https://doi.org/10.3176/proc.2021.4.03> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Multi-layer cyber-physical low-level control solution for mobile robots

Pikner, Heiko; Karjust, Kristo IOP conference series : materials science and engineering 2021 / art. 012048 <https://doi.org/10.1088/1757-899X/1140/1/012048>

Observer-based detection and identification of sensor attacks in networked CPSs

Chowdhury, Nilanjan Roy; **Belikov, Juri**; Baimel, Dmitry; Levron, Yoash Automatica 2020 / art. 109166, 13 p <https://doi.org/10.1016/j.automatica.2020.109166> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Process-aware security monitoring in industrial control systems: A systematic review and future directions

Ur Rehman, Muan; Bahşi, Hayreddin International journal of critical infrastructure protection 2024 / art. 100719, 19 p. : ill <https://doi.org/10.1016/j.ijcip.2024.100719> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Securing self-aware cyber-physical systems using digital twins

Meeran, Mohammad Tariq 2024 19th Biennial Baltic Electronics Conference (BEC) 2024 / 5 p. : ill <https://doi.org/10.1109/BEC61458.2024.10737954> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Self-aware cyber-physical systems

Bellman, K.; Landauer, C.; Dutt, N.; **Tammemäe, Kalle** ACM transactions on cyber-physical systems 2020 / p. 1–26 <https://doi.org/10.1145/3375716> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

TalTech osaleb projektis, mis aitab tagada ELis energiajulgeolekut ja vähendada CO2 jalajälge

digi.geenius.ee 2024 [TalTech osaleb projektis, mis aitab tagada ELis energiajulgeolekut ja vähendada CO2 jalajälge](#)

Tartu kolledž arendab laboribaasi

Rootsi, Ago Mente et Manu 2021 / lk. 26-27 : fot https://www.ester.ee/record=b1242496*est

Telemaatika ja arukate süsteemide asjatundjate tööpõld on lai: elame juba praegu keset küberfüüsikalisi süsteeme [Võrguväljaanne]

digi.geenius.ee 2022 [Telemaatika ja arukate süsteemide asjatundjate tööpõld on lai: elame juba praegu keset küberfüüsikalisi süsteeme](#)

Threat modeling of cyber-physical systems - a case study of a microgrid system

Khalil, Shaymaa Mamdouh; Bahsi, Hayretidin; Dola, Henry Ochieng; Korōtko, Tarmo; McLaughlin, Kieran; Kotkas, Vahur
Computers & Security 2023 / art. 102950, 16 p. : ill <https://doi.org/10.1016/j.cose.2022.102950> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Threat modeling of industrial control systems: A systematic literature review

Khalil, Shaymaa Mamdouh; Bahsi, Hayretidin; Korōtko, Tarmo Computers and security 2024 / art. 103543, 19 p. : ill
<https://doi.org/10.1016/j.cose.2023.103543> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)