

Advancing cybersecurity education through learning analytics = Küberkaitsealase hariduse parendamine õpianalüütika abil

Maennel, Kaie 2021 <https://doi.org/10.23658/taltech.29/2021> https://www.ester.ee/record=b5434228*est
<https://digikogu.taltech.ee/et/Item/d01c0b17-3b4b-41c5-ae24-e75b6128a183>

CyberGenomics : application of behavioral genetics in cybersecurity

Domarkiene, Ingrida; Ambrozaityte, Laima; Bukauskas, Linas; Rancelis, Tautvydas; **Sütterlin, Stefan**; Knox, Benjamin James; **Maennel, Kaie**; **Maennel, Olaf Manuel**; Parish, Karen; Lugo, Ricardo Gregorio; Brilingaitė, Agnė Behavioral Sciences 2021 / art. 152 <https://doi.org/10.3390/bs11110152> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Evaluating cybersecurity-related competences through simulation exercises = Küberturbe-alaste kompetentside hindamine simulatsiooniharjutuste abil

Mäses, Sten 2020 https://www.ester.ee/record=b5384385*est <https://digikogu.taltech.ee/et/Item/b4c33d3b-e7ce-48ad-98ad-a0add5e571a3>

From text mining to evidence team learning in cybersecurity exercises

Maennel, Kaie; Joonsoo, Kim; **Sütterlin, Stefan** Companion Proceedings of the 10th International Conference on Learning Analytics & Knowledge (LAK20) : Cyberspace, March 23-27, 2020 2020 / p. 107-109 <https://lak20.solaresearch.org>

Gamification as a neuroergonomic approach to improving interpersonal situational awareness in cyber defense

Ask, Torvald F.; Knox, Benjamin James; **Lugo, Ricardo Gregorio**; Hoffmann, Lukas; **Sütterlin, Stefan** Frontiers in education 2023 / art. 988043, 16 p. : ill <https://doi.org/10.3389/educ.2023.988043> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Heightened cyber vulnerability to patients with cardiac implantable electronic devices

Torgersen, Leanne N.S.; Whitaker, Rupert E.D.; **Lugo, Ricardo Gregorio**; **Sütterlin, Stefan**; Schulz, Stefan M. HCI International 2023 Posters : 25th International Conference on Human-Computer Interaction, HCII 2023, Copenhagen, Denmark, July 23–28, 2023, Proceedings, Part I 2023 / p. 519-528 https://doi.org/10.1007/978-3-031-35989-7_66 [Conference Proceedings at scopus](#) [Article at Scopus](#)

The human factor in cyber security education : editorial

Lugo, Ricardo Gregorio; **Sütterlin, Stefan**; Knox, Benjamin James; Bukauskas, Linas; Brilingaitė, Agnė; Maennel, Olaf Manuel Frontiers in education 2023 / art. 1277282, 2 p <https://doi.org/10.3389/educ.2023.1277282> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Human-centric approach to cyber threat identification : The role of cognition, experience, and education in decision-making

Lugo, Ricardo Gregorio; Juozapavicius, Ausrius; Lapin, Kristina; Ask, Torvald F.; Knox, Benjamin James; Sütterlin, Stefan Journal of cases on information technology 2025 / 13 p <https://doi.org/10.4018/JCIT.368220>

Human-human communication in cyber threat situations: a systematic review

Ask, Torvald F.; Lugo, Ricardo Gregorio; Knox, Benjamin James; **Sütterlin, Stefan** HCI International 2021 - late breaking papers : cognition, inclusion, learning, and culture : 23rd HCI International Conference, HCII 2021, Virtual Event, July 24–29, 2021 : proceedings 2021 / p. 21-43 : ill https://doi.org/10.1007/978-3-030-90328-2_2 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

Individual deep fake recognition skills are affected by viewer's political orientation, agreement with content and device used

Sütterlin, Stefan; Ask, Torvald F.; Mägerle, Sophia; Glöckler, Sandra; Wolf, Leandra; Schray, Julian; Chandi, Alava; Bursac, Teodora; Khodabakhsh, Ali; Knox, Benjamin James Augmented Cognition : 17th International Conference, AC 2023, Held as Part of the 25th HCI International Conference, HCII 2023, Copenhagen, Denmark, July 23–28, 2023 : proceedings 2023 / p. 269-284 : ill https://doi.org/10.1007/978-3-031-35017-7_18 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Interactive stereoscopically perceivable multidimensional data visualizations for cybersecurity = Interaktiivsed, ruumiliselt tajutavad, mitmemõõtelised andmekuvad küberturbele

Kullman, Kaur 2023 <https://doi.org/10.23658/taltech.10/2023> <https://digikogu.taltech.ee/et/Item/00f8f848-c610-4843-b829-8f544d7ba775>
https://www.ester.ee/record=b5552863*est

A 3D mixed reality visualization of network topology and activity results in better dyadic cyber team communication and cyber situational awareness

Ask, Torvald F.; **Kullman, Kaur**; **Sütterlin, Stefan**; Knox, Benjamin James; Engel, Don; **Lugo, Ricardo Gregorio** Frontiers in Big Data 2023 / art. 1042783, 21 p. : ill <https://doi.org/10.3389/fdata.2023.1042783> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A multidimensional cyber defense exercise: emphasis on emotional, social, and cognitive aspects

Maennel, Kaie; Brilingaitė, Agnė; Bukauskas, Linas; Juozapavicius, Ausrius; Knox, Benjamin James; **Lugo, Ricardo Gregorio**; **Maennel, Olaf Manuel**; Majore, Ginta; Sütterlin, Stefan SAGE Open 2023 / 12 p. : ill <https://doi.org/10.1177/21582440231156367>

Neurophysiological and emotional influences on team communication and metacognitive cyber situational awareness during a cyber engineering exercise

Ask, Torvald F.; Knox, Benjamin James; Lugo, Ricardo Gregorio; Helgetun, Ivar; **Sütterlin, Stefan** *Frontiers in human neuroscience* 2023 / art. 1092056, 24 p. : ill <https://doi.org/10.3389/fnhum.2022.1092056> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the relationship between health sectors' digitalization and sustainable health goals : a cyber security perspective

Sütterlin, Stefan; Knox, Benjamin James; **Maennel, Kaie**; Canham, Matthew; Lugo, Ricardo Gregorio *Transitioning to good health and well-being* 2022 / 22 p <https://www.mdpi.com/books/pdfdownload/edition/1245>

Patient informed consent, ethical and legal considerations in the context of digital vulnerability with smart, cardiac implantable electronic devices

Torgersen, Leanne N.S.; Schulz, Stefan M.; **Lugo, Ricardo Gregorio**; Sütterlin, Stefan *PLOS Digital Health* 2024 / art. e0000507 <https://doi.org/10.1371/journal.pdig.0000507> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Remote technical labs : an innovative and scalable component for university cybersecurity program admission

Maennel, Kaie; Kivimägi, Kristian; **Maennel, Olaf Manuel**; **Sütterlin, Stefan**; Ernits, Margus *Educating Engineers for Future Industrial Revolutions : Proceedings of the 23rd International Conference on Interactive Collaborative Learning (ICL2020). Volume 2* 2021 / p. 521-533 https://doi.org/10.1007/978-3-030-68201-9_51 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

The role of emotion regulation for general self-efficacy in adolescents assessed through both neurophysiological and self-reported measures

Lande, Natalie Marie; F Ask, Torvald; Sætren, Sjur Skjørshammer; **Lugo, Ricardo Gregorio**; **Sütterlin, Stefan** *Psychology research and behavior management* 2023 / p. 3373-3383 <https://doi.org/10.2147/PRBM.S406702> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

The Role of IT Background for Metacognitive Accuracy, Confidence and Overestimation of Deep Fake Recognition Skills

Sütterlin, Stefan; Lugo, Ricardo Gregorio; Ask, Torvald F.; Veng, Karl; Eck, Jonathan; Fritsch, Jonas; Özmen, Muhammed-Talha; Bäreiter, Basil; Knox, Benjamin James *Augmented Cognition : 16th International Conference, AC 2022, Held as Part of the 24th HCI International Conference, HCII 2022. Virtual Event, June 26 - July 1, 2022, proceedings 2022* / p. 103-119 https://doi.org/10.1007/978-3-031-05457-0_9

The role of trait and state mindfulness in cognitive performance of male adolescents

Firth, Andrea; **Sütterlin, Stefan**; **Lugo, Ricardo Gregorio** *Psychology research and behavior management* 2023 / p. 3939-3948 : ill <https://doi.org/10.2147/PRBM.S409737> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Situational states influence on team workload demands in cyber defense exercise

Ask, Torvald F.; **Sütterlin, Stefan**; Knox, Benjamin James; Lugo, Ricardo Gregorio *HCI International 2021 - late breaking papers : cognition, inclusion, learning, and culture : 23rd HCI International Conference, HCII 2021, Virtual Event, July 24–29, 2021 : proceedings 2021* / p. 3-20 : ill https://doi.org/10.1007/978-3-030-90328-2_1 [Conference proceeding at Scopus](#) [Article at Scopus](#) [Conference proceeding at WOS](#) [Article at WOS](#)

TalTechi kaasatud professor Stefan Sütterlin: küberrünnakus proovitakse esimesena murda inimene

digi.geenius.ee 2023 [TalTechi kaasatud professor Stefan Sütterlin: küberrünnakus proovitakse esimesena murda inimene](#)

Teaching pentesting to social sciences students using experiential learning techniques to improve attitudes towards possible cybersecurity careers

Melnikovas, Aleksandras; Lugo, Ricardo Gregorio; **Maennel, Kaie**; Brilingaitė, Agnė; Sütterlin, Stefan; Juozapavicius, Ausrius *Proceedings of the 22nd European Conference on Cyber Warfare and Security 2023* / p. 294-302 <https://doi.org/10.34190/eccws.22.1.1145>

Team learning in cybersecurity exercises

Maennel, Kaie; Kim, Joonsoo; Sütterlin, Stefan *Proceedings of the 5th Interdisciplinary Cyber Research Conference 2019 : 29th of June 2019, Tallinn University of Technology 2019* / p. 17–19 https://www.ester.ee/record=b5238490*est

Using competency mapping for skills assessment in an introductory cybersecurity course

Mäses, Sten; **Maennel, Olaf Manuel**; Sütterlin, Stefan *Educating Engineers for Future Industrial Revolutions : Proceedings of the 23rd International Conference on Interactive Collaborative Learning (ICL2020). Volume 2* 2021 / p. 572-583 https://doi.org/10.1007/978-3-030-68201-9_56 [Article collection metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Using technical cybersecurity exercises in university admissions and skill evaluation

Maennel, Kaie; **Mäses, Sten**; Sütterlin, Stefan; Ernits, Margus; **Maennel, Olaf Manuel** *IFAC-PapersOnLine* 2019 / p. 169-174 <https://doi.org/10.1016/j.ifacol.2019.12.169> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Variable self-efficacy as a measurement for behaviors in cyber security operations

Lugo, Ricardo Gregorio; Knox, Benjamin James; Josok, Oyvind; **Sütterlin, Stefan** Augmented Cognition. Human Cognition and Behavior : 14th International Conference, AC 2020, Held as Part of the 22nd HCI International Conference, HCII 2020, Copenhagen, Denmark, July 19–24, 2020 : proceedings, Part II 2020 / p. 395–404 https://doi.org/10.1007/978-3-030-50439-7_27 [Conference proceedings at Scopus](#) [Article at Scopus](#)