

Anu Masso: sarnaselt inimeste migratsiooniga saame rääkida ka andmete migratsioonist

Masso, Anu delfi.ee 2025 <https://forte.delfi.ee/artikkel/120386479/tunne-teadlast-anu-masso-sarnaselt-inimeste-migratsiooniga-saame-raakida-ka-andmete-migratsioonist>

Big data analytics in association rule mining : a systematic literature review

Shahin, Mahtab; Arakkal Peious, Sijo; Sharma, Rahul; Kaushik, Minakshi; Ben Yahia, Sadok; Shah, Syed Attique; Draheim, Dirk BDET 2021: 2021 the 3rd International Conference on Big Data Engineering and Technology (BDET) : proceedings 2021 / p. 40-49 <https://doi.org/10.1145/3474944.3474951> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Big data ja tehnoloogiahiid: kes lõpuks andmeid haldab? [Võrguväljaanne]

digi.geenius.ee 2021 ["Big data ja tehnoloogiahiid: kes lõpuks andmeid haldab"](#)

Blockchain technology's effects on big data in maritime transportation

Paladin, Zdravko; **Bauk, Sanja**; Mujalovic, Rasim; Kapidani, Nexhat; Lukšić, Žarko 2024 28th International Conference on Information Technology (IT) 2024 / 7 p <https://doi.org/10.1109/IT61232.2024.10475774>

Challenges with the design and use of AI-based tools in public sector in Estonia : Moving beyond the potential of a great idea on paper

Nõmmik, Steven Digital transformation in European Public Services : Complexities, challenges, and good practices 2025 / p. 129-154 https://doi.org/10.1007/978-3-031-81425-9_7 [Article at Scopus](#)

Concise description of telecom service use through concept chains

Torim, Ants; Ben Yahia, Sadok; Raun, Kristo MEDES '19 : a Digital Ecosystem for Personal Manufacturing : an Architecture for Cloud-based Distributed Manufacturing Operating Systems : proceedings 2019 / p. 181-186 : ill <https://doi.org/10.1145/3297662.3365790>

Data science techniques for cryptocurrency blockchains

Liiv, Innar 2021 <https://doi.org/10.1007/978-981-16-2418-6>

Databases and information systems VIII : selected papers from the Eleventh International Baltic Conference, DB&IS 2014

2014 https://www.ester.ee/record=b4447206*est

Data-driven risk preference analysis in day-ahead electricity market

Zhao, Huan; Zhao, Junhua; Qiu, Jing; Liang, Gaoqi; **Wen, Fushuan**; Xue, Yusheng; Dong, Zhao Yang IEEE transactions on smart grid 2021 / p. 2508-2517 : ill <https://doi.org/10.1109/TSG.2020.3036525>

Datanimeste suursündmus | Suurandmete konverentsil taas hulk nimekaid esinejaid

Kald, Indrek ituudised.ee 2023 [Datanimeste suursündmus | Suurandmete konverentsil taas hulk nimekaid esinejaid](#)

DatApollo : Orchestration of serverless functions for scalable data mining

Shahin, Mahtab; Bertl, Markus; Janatian, Nasim; Aznar-Poveda, Juan; Shah, Syed Attique; Fahringer, Thomas; Arakkal Peious, Sijo; Draheim, Dirk IEEE Access 2025 / p. 142813-142828 <https://doi.org/10.1109/ACCESS.2025.3591712>

Decoding the smart city

Vainio, Teija; Hodson, Elise; Sayún, Michel Nader; **Soe, Ralf-Martin** Interaction design and architecture(s) 2021 / p. 59-62

<https://doi.org/10.55612/s-5002-050-002pfs> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Design and analysis of large scale data acquisition in power distribution network

Deksnyš, Vytautas; Nakutis, Žilvinas BEC'96 : the 5th Biennial Baltic Electronics Conference, October 7-11, 1996, Tallinn, Estonia : proceedings 1996 / p. 337-340: ill

Detecting Simpson's paradox : a step towards fairness in machine learning

Sharma, Rahul; Kaushik, Minakshi; Arakkal Peious, Sijo; Bertl, Markus; Ankit, Vidyarthi; Ashwani, Kumar; Draheim, Dirk New Trends in Database and Information Systems : ADBIS 2022 Short Papers, Doctoral Consortium and Workshops : DOING, K-GALS, MADEISD, MegaData, SWODCH, Turin, Italy, September 5-8, 2022 : proceedings 2022 / p. 67-76 : ill https://doi.org/10.1007/978-3-031-15743-1_7 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Distributed scalable association rule mining over Covid-19 data

Shahin, Mahtab; Inoubli, Wissem; Shah, Syed Attique; Ben Yahia, Sadok; Draheim, Dirk Future Data and Security Engineering : 8th International Conference, FDSE 2021, Virtual Event, November 24-26, 2021 : proceedings 2021 / p. 39-52 https://doi.org/10.1007/978-3-030-91387-8_3 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Efficiency experiments on Hadoop and Giraph with PageRank

Koschel, Arne; Heine, Felix; **Astrova, Irina**; Korte, Fred; Rossow, Thomas; Stipkovic, Sebastian 24th Euromicro International Conference on Parallel, Distributed, and Network-Based Processing : PDP 2016 : 17-19 February 2016, Heraklion, Crete, Greece : proceedings 2016 / p. 328-331 : ill <https://doi.org/10.1109/PDP.2016.49>

Efficient and effective association rule mining on big data and cloud technology : a multifaceted analysis = Tõhus ja efektiivne assotsiatsioonireeglite kaevandamine suurandmetel ja pilvetehnoloogial : mitmekülgne analüüs
Shahin, Mahtab 2024 https://www.ester.ee/record=b5701564*est <https://digikogu.taltech.ee/et/Item/5cb16841-6d26-495f-88bb-5ae980bcd258>
<https://doi.org/10.23658/taltech.50/2024>

An efficient roadside unit deployment method for vehicular ad-hoc networks
Ben Chaabene, Seif; Yeferry, Taoufik; Ben Yahia, Sadok Procedia computer science 2020 / p. 771-780
<https://doi.org/10.1016/j.procs.2020.09.072> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

"End of Theory" in the era of big data : methodological practices and challenges in social media studies
Masso, Anu; Männiste, Maris; Siibak, Andra Acta Baltica historiae et philosophiae scientiarum 2020 / p. 33-61 : ill
<https://doi.org/10.11590/abhps.2020.1.02> https://www.ester.ee/record=b2941458*est [Journal metrics at Scopus](#) [Article at Scopus](#)

Enhancing urban vitality: integrating traditional metrics with big data and socio-economic insights
Osunkoya, Kofoworola Modupe; Partanen, Jenni Journal of Spatial Information Science 2024 / p. 43-68
<https://doi.org/10.5311/JOSIS.2024.29.357> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Existence of the Yule-Simpson effect : an experiment with continuous data
Sharma, Rahul; Kaushik, Minakshi; Arakkal Peious, Sijo; Shahin, Mahtab; Vidyarthi, Ankit; Draheim, Dirk Proceedings of the Confluence 2022 : 12th International Conference on Cloud Computing, Data Science & Engineering, 27-28 January 2022 : Virtual 2022 / p. 351-355 <https://doi.org/10.1109/Confluence52989.2022.9734211>

Exploratory visual analytics : technical report of the NATO IST-141 Research Task Group
Varga, Margaret; Arkin, Ethem; Bivall, Petter; Camossi, Elena; Kullman, Kaur; Krilavičius, Tomas; Mandravickaitė, Justina; Lavigne, Valerie; Jayaram, Shivas; Panga, Marius; Liggett, Kristen; Martsinkevičius, Virginijus; Ray, Cyril; Winkelholz, Carsten; Acharya, Nikhil 2023 https://www.researchgate.net/publication/361220433_Exploratory_Visual_Analytics

Filosoof: eetikakomiteede töös pole enam eetika lõhnagi
Reimann, Andres novaator.err.ee 2024 [Filosoof: eetikakomiteede töös pole enam eetika lõhnagi](#)

Finding indicator diseases of psychiatric disorders in BigData using Clustered Association rule mining
Bertl, Markus; Shahin, Mahtab; Ross, Peeter; Draheim, Dirk SAC '23: proceedings of the 38th ACM/SIGAPP Symposium on Applied Computing : Tallinn Estonia, March 27-31, 2023 2023 / art. 4, p. 826-833 : tab <https://doi.org/10.1145/3555776.3577594>

Harnessing cloud scalability to hadoop clusters
Koschel, Arne; Heine, Felix; Astrova, Irina Information Systems 15th European, Mediterranean, and Middle Eastern Conference, EMCIS 2018 : Limassol, Cyprus, October 4-5, 2018 : proceedings 2019 / p. 59-71 https://doi.org/10.1007/978-3-030-11395-7_6
[Conference proceeding at Scopus](#) [Article at Scopus](#)

Improving symbolic data visualization for pattern recognition and knowledge discovery
Umbleja, Kadri; Ichino, Manabu; Yaguchi, Hiroyuki Visual informatics 2020 / p. 23-31 : ill <https://doi.org/10.1016/j.visinf.2019.12.003>

Kuidas mõista andmestunud maailma? : metodoloogiline teejuht
2020 https://www.ester.ee/record=b5396086*est https://www.ester.ee/record=b5388794*est

Legal aspects of cybersecurity in emerging technologies : smart grids and big data : European answers to security breaches and "common" cyber crime
Kasper, Agnes Regulating eTechnologies in the European Union : normative realities and trends 2014 / p. 189-216 : ill

Linked data connections with emerging information technologies: A survey
Haav, Hele-Mai International journal of computer science and applications 2014 / p. 21-44 : ill
https://www.researchgate.net/publication/272375984_Linked_data_connections_with_emerging_information_technologies_A_survey [Journal metrics at Scopus](#) [Article at Scopus](#)

Miks peaks töötaja teadma kui pikad on tema kohvipausid?
Sinialu, Hando kaubandus.ee 2023 [Miks peaks töötaja teadma kui pikad on tema kohvipausid?](#)

Mis on andmeõiglus?
Masso, Anu Postimees 2020 / Lk. 11 : fot <https://dea.digar.ee/article/ak/2020/11/14/9.1>

Moving Hadoop to the Cloud for Big Data Analytics
Astrova, Irina; Koschel, Arne; Heine, Felix; Kalja, Ahto Databases and information systems X : selected papers from the thirteenth International Baltic Conference, DB&IS 2018 2019 / p. 195-209 <https://doi.org/10.3233/978-1-61499-941-6-195>
https://www.ester.ee/record=b5203991*est [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Non-determinism in nowadays computing and IT

Henno, Jaak; Jaakkola, Hannu; Mäkelä, Jukka 2020 43rd International Convention on Information, Communication and Electronic Technology (MIPRO), 28 Sept.-2 Oct. 2020, Opatija, Croatia : proceedings 2020 / p. 794-801 <https://doi.org/10.23919/MIPRO48935.2020.9245377>

(Non)negotiable spaces of algorithmic governance : perceptions on the Ubenwa health app as a 'relocated' solution

Masso, Anu; Chukwu, Martha; Calzati, Stefano New media & society 2022 / p. 845-865 <https://doi.org/10.1177/14614448221079027>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

On the radical de- and re-construction of today's enterprise applications

Draheim, Dirk Procedia Computer Science 2019 / p. 120 - 122 <https://doi.org/10.1016/j.procs.2019.12.162> [Conference proceeding at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Orchestration of serverless functions for scalable association rule mining with Apollo

Shahin, Mahtab; Janatian, Nasim; Poveda, Juan Aznar; Fahringer, Thomas; **Ghasempouri, Tara**; Shah, Syed Attique; **Draheim, Dirk** techrxiv.org 2024 / 20 p <https://doi.org/10.36227/techrxiv.172101151.16682756/v1>

Performance improvement of decision tree : a robust classifier using tabu search algorithm

Hafeez, Muhammad Asfand; Rashid, Muhammad; Tariq, Hassan; **Abideen, Zain Ul**; Alotaibi, Saud S.; Sinky, Mohammed H. Applied Sciences (Switzerland) 2021 / art. 6728 <https://doi.org/10.3390/app11156728> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Professor Tanel Kerikmäe: mis on keelatud päriselus, peaks olema keelatud ka virtuaalmaailmas [Võrguväljaanne]

Kerikmäe, Tanel digi.geenius.ee 2022 [Professor Tanel Kerikmäe: mis on keelatud päriselus, peaks olema keelatud ka virtuaalmaailmas](#)

Profit analytics in disruption risk for electrical energy supply network considering cost-oriented big data

Fazlollahabbar, Hamed; **Ahmadihangar, Roya** Energy and Environment 2024 <https://doi.org/10.1177/0958305X231225599> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Regional capabilities to tackle climate change : setting a research agenda for big data driven tools

Bzhalava, Levan; Makkonen, Teemu Networks, Markets & People : Communities, Institutions and Enterprises Towards Post-humanism Epistemologies and AI Challenges, Volume 5 2024 / p. 30-37 https://doi.org/10.1007/978-3-031-74704-5_4 [Conference proceedings at Scopus](#) [Article at Scopus](#)

The rising role of big data analytics and IoT in disaster management : recent advances, taxonomy and prospects

Shah, Syed Attique; Seker, Dursun Zafer; Hameed, Sufian; **Draheim, Dirk** IEEE Access 2019 / Art. nr. 8698814 <https://doi.org/10.1109/ACCESS.2019.2913340> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Scalable Hadoop-based infrastructure for big data analytics

Astrova, Irina; Koschel, Arne; Heine, Felix; **Kalja, Ahto** Databases and Information Systems : 13th International Baltic Conference, DB&IS 2018, Trakai, Lithuania, July 1-4, 2018 : proceedings 2018 / p. 233-242 https://doi.org/10.1007/978-3-319-97571-9_19 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Sensing diversity in Tallinn using mobile phone data

Osunkoya, Kofoworola Modupe; **Partanen, Jenni Vilhelmiina** ECTQG 2023 : Proceedings, Abstracts 2023 / p. 146 - 147 https://ucpages.uc.pt/site/assets/files/1249198/ectqg_2023_proceedings_final.pdf

The social imaginaries on governance through data: Q-methodological analysis of data professionals' views in the field of mobility

Masso, Anu; Männiste, Maris; Calzati, Stefano Futures 2023 / art. 103199 <https://doi.org/10.1016/j.futures.2023.103199> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Solving big data : distributing computation among smart devices

Preden, Jürjo-Sören; **Pahtma, Raido**; **Tomson, Timo**; **Mõtus, Leo** Databases and Information Systems : proceedings of the 11th International Baltic Conference, Baltic DB&IS 2014 : Tallinn, Estonia, 8-11 June, 2014 2014 / p. 269-280 : ill

Suurandmeteta Londoni-sarnaseid suurlinnu enam ei juhi

aripaev.ee 2024 [Suurandmeteta Londoni-sarnaseid suurlinnu enam ei juhi](#)

Systems driven intelligent decision support methods for ship collision and grounding prevention : Present status, possible solutions, and challenges

Zhang, Mingyang; Taimuri, Ghalib; Zhang, Jinfen; Zhang, Di; Yan, Xinping; **Kujala, Pentti Jouko Sakari**; Hirdaris, Spyros Reliability engineering and system safety 2025 / art. 110489 <https://doi.org/10.1016/j.ress.2024.110489>

TalTechi andmelabor ootab oma uurimisrühmaga liituma kahte andmetest sütitatud doktoranti [Võrguväljaanne]

delfi.ee 2021 ["TalTechi andmelabor ootab oma uurimisrühmaga liituma kahte andmetest sütitatud doktoranti"](#)

TalTechi professor: metaversum ei tohi muutuda eikellegimaaks [Võrguväljaanne]

Kerikmäe, Tanel postimees.ee 2022 [TalTechi professor: metaversum ei tohi muutuda eikellegimaaks](#)

TalTechi õiguse instituudi direktor: tekkestaadiumis metaversum vajab regulatsiooni [Võrguväljaanne]

Kald, Indrek ituudised.ee 2022 [TalTechi õiguse instituudi direktor: tekkestaadiumis metaversum vajab regulatsiooni](#)

Towards disaster resilient smart cities : can internet of things and big data analytics be the game changers?

Shah, Syed Attique; Seker, Dursun Zafer; Rathore, M. Mazhar; Hameed, Sufian; **Ben Yahia, Sadok; Draheim, Dirk** IEEE Access 2019 / art. 8759905, p. 91885–91903 <https://doi.org/10.1109/ACCESS.2019.2928233> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

TTÜ dotsendi juhtimisel tuli Eestisse Euroopa suurandmete võistluse III koht

Mente et Manu 2017 / lk. 6 : fot https://www.ttu.ee/public/m/mente-et-manu/MM_03_2017/mobile/index.html#p=1
https://artiklid.einet.ee/record=b2820623*est

Using machine learning to develop customer insights from user-generated content

Mustak, Mekhail; Hallikainen, Heli; Laukkanen, Tommi; Ple, Loïc; **Hollebeek, Linda Desiree**; Aleem, Majid Journal of retailing and consumer services 2024 / art. 104034, 14 p. : ill <https://doi.org/10.1016/j.jretconser.2024.104034> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Why not to trust big data : discussing statistical paradoxes

Sharma, Rahul; Kaushik, Minakshi; Arakkal Peious, Sijo; Shahin, Mahtab; Vidyarthi, Ankit; Tiwari, Prayag; **Draheim, Dirk** Database Systems for Advanced Applications : DASFAA 2022, International Workshops BDMS, BDQM, GDMA, IWB, MATQTD, and PMBD, Virtual Event, April 11–14, 2022 : proceedings 2022 / p. 50-63 : ill https://doi.org/10.1007/978-3-031-11217-1_4 [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Conference proceedings at WOS](#) [Article at WOS](#)

Профессор TalTech: Метавселенная не должна стать бесхозной территорией [Online resources]

Kerikmäe, Tanel rus.postimees.ee 2022 [Профессор TalTech: Метавселенная не должна стать бесхозной территорией](#)

Синтез метода адресных книг и расширяющегося хэширования

Võhandu, Leo; Võhandu, Priit Обработка данных, построение трансляторов, вопросы программирования 1984 / с. 3-10 : ил https://www.ester.ee/record=b1538632*est <https://digikogu.taltech.ee/et/Item/46a2761f-8fd6-42eb-bd9e-a89c6d2b0577>