

### **Analysis of logistics costs drivers in Estonia**

**Kiisler, Ain; Hilmola, Olli-Pekka Kristian; Tolli, Andres** World review of intermodal transportation research 2017 / p. 110-129  
<https://doi.org/10.1504/WRITR.2017.082731> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Application of smart logistics technologies in the organization of multimodal cargo delivery**

Orozonova, Azyk; Gapurbaeva, Shakhnos; Kydykov, Azizbek; Prokopenko, Olha; **Prause, Gunnar Klaus**; Lytyynen, Sergiy  
Transportation Research Procedia 2022 / p. 1192-1198 : ill <https://doi.org/10.1016/j.trpro.2022.06.124> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Assessing the performance of a hybrid max-weight traffic signal control algorithm in the presence of noisy queue information: An evaluation of the environmental impacts**

Liaquat, Muwahida; Vosough, Shaghayegh; Roncoli, Claudio; Charalambous, Themistoklis IET Intelligent Transport Systems 2024 / p. 2255-2272 : ill <https://doi.org/10.1049/itr2.12571> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Autonomous driving validation and verification using digital twins**

**Pikner, Heiko; Malayjerdi, Mohsen; Bellone, Mauro; Baykara, Baris Cem; Sell, Raivo** Proceedings of the 10th International Conference on Vehicle Technology and Intelligent Transport Systems - VEHITS ; Vol. 1 2024 / p. 204-211  
<https://doi.org/10.5220/0012546400003702> [Conference Proceeding at Scopus](#) [Article at Scopus](#)

### **Blockchain technology on the way of autonomous vehicles development**

Narbayev, Saltanat; Bakibayev, Timur; Abeshev, Kuanysh; Makarova, Irina; Shubenkova, Ksenia; **Pashkevich, Anton** Transportation research procedia 2020 / p. 168–175 <https://doi.org/10.1016/j.trpro.2020.02.024> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Calculation method for plates with discrete variable thickness under uniform loading or hydrostatic pressure**

Aryassov, G.; Gornostajev, Dmitri; **Penkov, Igor** International journal of applied mechanics and engineering 2018 / p. 835–853  
<https://doi.org/10.2478/ijame-2018-0046> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Characterizing energy flexibility of buildings with electric vehicles and shiftable appliances on single building level and aggregated level**

**Azizi, Elnaz; Ahmadihangar, Roya; Rosin, Argo**; Bolouki, Sadegh Sustainable cities and society 2022 / art. 103999  
<https://doi.org/10.1016/j.scs.2022.103999> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A comparison of the relationship between individual values and aggressive driving in five countries**

Findik, Gizem; Kacan, Bilgesu; Solmazer, Gaye; Ersan, Özlem; Zihni, Yesim Üzümcüoğlu; Azık, Derya; Özkan, Türker; Lajunen, Timo; **Pashkevich, Anton; Pashkevich, Maria** Journal of transportation safety and security 2022 / p. 430-452  
<https://doi.org/10.1080/19439962.2020.1784341> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Cost/comfort-oriented clustering-based extended time of use pricing**

**Azizi, Elnaz**; Shotorbani, R.; **Ahmadihangar, Roya**; Mohammadi-Ivatloo, B.; **Rosin, Argo**; Sadiq, R. Sustainable cities and society 2021 / art. 102673, 10 p. : ill <https://doi.org/10.1016/j.scs.2020.102673> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Covid-19 pandemic : small actor point of view on manufacturing and logistics**

**Hilmola, Olli-Pekka Kristian**; Lähdeaho, Oskari World review of intermodal transportation research 2021 / p. 87-105  
<https://doi.org/10.1504/WRITR.2021.115411> <https://doi.org/10.1504/WRITR.2021.10036832> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **A cross-country comparison of user experience of public autonomous transport**

Bellone, Mauro; Ismailogullari, Azat; Kantala, Tommi; Mäkinen, Sami; **Soe, Ralf-Martin**; Kyrrö, Milla Aman European transport research review 2021 / art. 19 <https://doi.org/10.1186/s12544-021-00477-3> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Cross-cultural differences in driver aggression, aberrant, and positive driver behaviors**

Ersan, Özlem; Üzümcüoğlu, Yesim; Azık, Derya; **Pashkevich, Anton; Pashkevich, Maria** Transportation research part F: traffic psychology and behaviour 2020 / p. 88-97 <https://doi.org/10.1016/j.trf.2020.03.020> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Development status and future trend of Eurasian container land bridge transport**

**Hilmola, Olli-Pekka Kristian**; Li, Weidong; Panova, Yulia Logistics 2021 / art. 18, 12 p. : ill <https://doi.org/10.3390/logistics5010018> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Driver profiles based on values and traffic safety climate and their relationships with driver behaviors**

Kaçan, Bilgesu; Findik, Gizem; Üzümcüoğlu, Yeşim; **Pashkevich, Anton; Pashkevich, Maria** Transportation research part F : traffic psychology and behaviour 2019 / p. 246-259 <https://doi.org/10.1016/j.trf.2019.05.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Emissions and power demand in optimal energy retrofit scenarios of the Finnish building stock by 2050**

Hirvonen, Janne; Heljo, Juhani; **Jokisalo, Juha**; Kurvinen, Antti; Saari, Arto; Niemelä, Tuomo; Sankelo, Paula; **Kosonen, Risto** Sustainable cities and society 2021 / art. 102896, 22 p. : ill <https://doi.org/10.1016/j.scs.2021.102896> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Enablers and constraints of peripheral air cargo - a case study of Estonia**

Niine, Tarvo; Kolbre, Ene; Miina, Aleksandr Journal of air transport management 2017 / p. 106-114 : ill <https://doi.org/10.1016/j.jairtraman.2016.07.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Energy efficient behavior modeling for demand side recommender system in solar microgrid applications using multi-agent reinforcement learning model**

Onile, Abiodun Emmanuel; Belikov, Juri; Levron, Yoash; **Petlenkov, Eduard** Sustainable cities and society 2023 / art. 104392, 20 p. : ill <https://doi.org/10.1016/j.scs.2023.104392> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Ensuring Cybersecurity in Shipping: Reference to Estonian Shipowners**

Heering, Dan TransNav : the international journal on marine navigation and safety of sea transportation 2020 / p. 271-278 <https://doi.org/10.12716/1001.14.02.01> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Evaluating the human performance factors of air traffic control in Thailand using Fuzzy Multi Criteria Decision Making method**

Pandey, Mukesh Mohan; **Shukla, Divya** Journal of air transport management 2019 / art. 101708, 9 p. : tab <https://doi.org/10.1016/j.jairtraman.2019.101708> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Evaluation of a novel logistics solution for roundwood import**

Heljanko, Ekkü; Hilmola, Olli-Pekka Kristian; **Tolli, Andres** World review of intermodal transportation research 2018 / p. 330-350 <https://doi.org/10.1504/WRITR.2018.095261> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Failure consequence evaluation of uncontrollable district heating network**

Mao, Ding; Wang, Peng; **Ju, Yuchen**; Ni, Long Sustainable cities and society 2022 / art. 103593, 16 p. : ill <https://doi.org/10.1016/j.scs.2021.103593> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **First-time versus repeat tourism customer engagement, experience, and value co-creation: An empirical investigation**

Rather, Raouf Ahmad; **Hollebeek, Linda Desiree**; Rasoolimanesh, S. Mostafa Journal of travel research 2021 / p. 549-564 <https://doi.org/10.1177/0047287521997572> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Framework for connecting the mobility challenges in low density areas to smart mobility solutions: the case study of Estonian municipalities**

**Agriesti, Serio Angelo Maria**; Soe, Ralf-Martin; **Saif, Muhammad Atiullah** European transport research review 2022 / art. 32 <https://doi.org/10.1186/s12544-022-00557-y> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Future potential of Trans-Caspian corridor: Review**

Palu, Riina; **Hilmola, Olli-Pekka Kristian** Logistics 2023 / art. 39 <https://doi.org/10.3390/logistics7030039> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Improvement of automotive service management by means of computer simulation**

Makarova, Irina; **Pashkevich, Anton**; Buyvol, Polina; Mavrin, Vadim; Abeshev, Kuanysh; Shubenkova, Ksenia Transportation research procedia 2020 / P. 160-167 <https://doi.org/10.1016/j.trpro.2020.02.023> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Industry 4.0 technologies as enablers of Lean and Agile Supply Chain Strategies : an exploratory investigation**

Raji, Ibrahim; **Ševtšenko, Eduard**; Rossi, Tommaso; Strozzi, Fernanda The international journal of logistics management 2021 / p. 1150-1189 : ill <https://doi.org/10.1108/IJLM-04-2020-0157> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Influence of nozzle geometry on fluid flow parameters**

**Penkov, Igor**; **Aleksandrov, Dmitri** International journal of applied mechanics and engineering 2020 / p. 215-222 : ill <https://doi.org/10.2478/ijame-2020-0060> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Light at the end of the tunnel : Visitors' virtual reality (versus in-person) attraction site tour-related behavioral intentions during and post-COVID-19**

Itani, Omar S.; **Hollebeek, Linda Desiree** Tourism Management 2021 / art. 104290 <https://doi.org/10.1016/j.tourman.2021.104290> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Modeling as a method to improve road safety during mass events**

Makarova, Irina; Khabibullin, Rifat; **Pashkevich, Anton**; Shubenkova, Ksenia Transportation research procedia 2017 / p. 430-435 : ill <https://doi.org/10.1016/j.trpro.2017.01.070> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Modelling of the human knee joint supported by active orthosis**

Musalimov, Victor; Monahov, Juri; **Tamre, Mart**; Rõbak, Dmitri; **Sivitski, Alina**; **Arjassov, Gennadi**; **Penkov, Igor** International journal of applied mechanics and engineering 2018 / p. 107-120 : ill <https://doi.org/10.1515/ijame-2018-0007> [Journal metrics at Scopus](#) [Article at Scopus](#)

### **Occupancy schedules for energy simulation in new prEN16798-1 and ISO/FDIS 17772-1 standards**

Ahmed, Kaiser; Akhondzada, Ali; **Kurnitski, Jarek**; Olesen, Bjarne Sustainable cities and society 2017 / p. 134-144 : ill <https://doi.org/10.1016/j.scs.2017.07.010> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **The oil spray cooling system of automotive traction motors : the state of the art**

**Shams Ghahfarokhi, Payam**; Podgornovs, Andrejs; **Kallaste, Ants**; Cardoso, Antonio J. Marques; Belahcen, Anouar; **Vaimann, Toomas** IEEE Transactions on Transportation Electrification 2023 / p. 428-451 <https://doi.org/10.1109/TTE.2022.3189596> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Performance and feasibility analysis of electricity price based control models for thermal storages in households**

**Rosin, Argo**; **Link, Siim**; **Lehtla, Madis**; Martins, Joao; **Drovtar, Imre**; **Roasto, Indrek** Sustainable cities and society 2017 / p. 366-374 : ill <https://doi.org/10.1016/j.scs.2017.04.008> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Performance based core sustainability metrics for university campuses developing towards climate neutrality : a robust PICSOU framework**

Jiang, Qidi; **Kurnitski, Jarek** Sustainable cities and society 2023 / art. 104723 <https://doi.org/10.1016/j.scs.2023.104723> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Planning for the urban future : two-level spatial analysis to discover 15-Minute City potential in urban area and expansion in Tallinn, Estonia**

**Mozaffaree Pour, Najmeh**; **Partanen, Jenni Vilhelmiina** Journal of computational social science 2024 / p. 777–807 <https://doi.org/10.1007/s42001-024-00258-7> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Policy incentives for flexible district heating in the Baltic countries**

Møller Sneum, Daniel; Sandberg, Eli; **Koduvere, Hardi**; Olsen, Ole Jess; Blumberga, Dagnija Utilities policy 2018 / p. 61-72 : ill <https://doi.org/10.1016/j.jup.2018.02.001> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Promoting efficient district heating in Estonia**

**Latõšov, Eduard**; Umbleja, Siim; **Volkova, Anna** Utilities policy 2022 / art. 101332, 9. : ill <https://doi.org/10.1016/j.jup.2021.101332> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Residential energy flexibility characterization using non-intrusive load monitoring**

**Azizi, Elnaz**; **Ahmadihangar, Roya**; **Rosin, Argo**; Martins, Joao; Lopes, Rui Amaral; Beheshti, M. TH.; Bolouki, Sadegh Sustainable cities and society 2021 / art. 103321, 12 p. : ill <https://doi.org/10.1016/j.scs.2021.103321> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Road users' evaluations and perceptions of road infrastructure, trip characteristics, and daily trip experiences across countries**

Azık, Derya; Solmaz, Gaye; Ersan, Özlem; Kaçan, Bilgesu; Findık, Gizem; Üzümcüoğlu, Yeşim; Özkan, Türker; Lajunen, Timo; Öz, Bahar; **Pashkevich, Anton**; **Pashkevich, Maria**; Danelli-Mylona, Vassiliki; Georgogianni, Dimitra; Berisha Krasniqi, Ema; Krasniqi, Muhamed; Makris, Evangelos; Shubenkova, Ksenia; Xheladini, Gentianë Transportation Research Interdisciplinary Perspectives 2021 / Art. 100412 <https://doi.org/10.1016/j.trp.2021.100412> [Journal metrics at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

### **Shipping related activities and their environmental impact – lessons learnt from the Estonian case study**

**Tombak, Mari-Liis**; **Tapaninen, Ulla Pirita**; Palu, Riina TransNav : the international journal on marine navigation and safety of sea transportation 2023 / p. 973-980 <https://doi.org/10.12716/1001.17.04.24> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Simulating a cyber-attack on the mass thruster controllers at low-speed motion**

**Astrov, Igor**; **Bauk, Sanja** Promet - Traffic and Transportation 2024 / p. 1006 - 1021 <https://doi.org/10.7307/ptt.v36i6.797> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **Small island public transport service levels : operational model for Estonia**

**Hunt, Tõnis**; **Tapaninen, Ulla Pirita**; Palu, Riina; **Laasma, Andres** TransNav : the international journal on marine navigation and safety of sea transportation 2024 / p. 315-322 <https://doi.org/10.12716/1001.18.02.07> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

### **A smart-contract-based adaptive security governance architecture for smart city service interoperations**

Siddiqui, Shahbaz; Hameed, Sufian; Shah, Syed Attique; Arshad, Junaid; Ahmed, Yussuf; **Draheim, Dirk** Sustainable Cities and Society 2024 / art. 105717 <https://doi.org/10.1016/j.scs.2024.105717> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at](#)

**Sustainable conditions for the development of renewable energy systems : a triple bottom line perspective**

Lerman, Laura Visintainer; Benitez, Guilherme Brittes; **Gerstlberger, Wolfgang Dieter**; Rodrigues, Vinicius Picanço; Frank, Alejandro G. Sustainable cities and society 2021 / art. 103362, 11 p. : ill <https://doi.org/10.1016/j.scs.2021.103362> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Sustainable logistics and passenger transport in smart cities**

Prokopenko, Olha; **Prause, Gunnar Klaus**; Bielialov, Taliat; **Järvis, Marina**; Holovanenko, Mykola; Kara, Inna Acta logistica 2024 / p. 47-56 <https://doi.org/10.22306/al.v11i1.448> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**System vibration control using linear quadratic regulator**

**Abdelrahman, Mostafa**; **Arjassov, Gennadi**; **Tamre, Mart**; **Penkov, Igor** International journal of applied mechanics and engineering 2022 / p. 1-8 <https://doi.org/10.2478/ijame-2022-0031> [Journal metrics at Scopus](#) [Article at Scopus](#)

**The relationship between self and other in aggressive driving and driver behaviors across countries**

Ersan, Özlem; Üzümcüoğlu, Yeşim; Azık, Derya; **Pashkevich, Anton**; **Pashkevich, Maria** Transportation research part F: traffic psychology and behaviour 2019 / p. 122-138 <https://doi.org/10.1016/j.trf.2019.08.020> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

**Throughput estimation with regard to airtime consumption unfairness in mixed data rate Wi-Fi networks**

Abdul-Hadi, Alaa Mohammed; Tarasyuk, Olga; Gorbenko, Anatoliy; Kharchenko, Vyacheslav; **Hollstein, Thomas** Communications - Scientific Letters of the University of Žilina 2014 / p. 84-89 : ill <https://komunikacie.uniza.sk/pdfs/csl/2014/01/15.pdf> [Journal metrics at Scopus](#) [Article at Scopus](#)

**Usage of microscopic simulation to estimate the environmental impact of road transport**

Makarova, Irina; Buyvol, Polina; Magdin, Kirill; **Pashkevich, Anton**; Boyko, Aleksey; Shubenkova, Ksenia Transportation research procedia 2020 / p. 86-93 <https://doi.org/10.1016/j.trpro.2020.02.013> [Conference Proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

**Use of smartphone accelerometers for winter road maintenance improvement in urban areas**

**Körbe Kaare, Kati**; **Koppel, Ott**; Kuhi, Kristjan Urban transport XIX 2013 / p. 253-263 : ill <https://doi.org/10.2495/UT130201> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

**Warehouse layout implications on picking distance : case of human factor**

Hilmola, Olli-Pekka Kristian; **Tolli, Andres** World review of intermodal transportation research 2016 / p. 43-58 <https://doi.org/10.1504/WRITR.2016.078138> [Journal metrics at Scopus](#) [Article at Scopus](#)