

Autonomous vehicle for industry 5.0 : Digital twin for system safety validation

Sell, Raivo; Malayjerdi, Mohsen; Malayjerdi, Ehsan; **Bellone, Mauro; Pikner, Heiko** Proceedings of the 11th International Conference on Vehicle Technology and Intelligent Transport Systems VEHITS ; Vol. 1 2025 / p. 660-667
<https://doi.org/10.5220/0013476600003941>

Configuring data subjects

Dalmer, Nicole; Newman-Griffis, Denis; **Ibrahimi, Mergime;** Jia, Xiufeng; Allhutter, Doris; Amelang, Katrin; Jarke, Juliane Dialogues in data power : Shifting Response-abilities in a datafied world 2024 / p. 10-30 <https://doi.org/10.51952/9781529238327.ch001>
<http://bristoluniversitypress.co.uk/dialogues-in-data-power>

Decarbonisation of Estonia's residential building stock

Lylykangas, Kimmo; Kertsmik, Kadri-Ann; Cerrone, Damiano; **Walke, Peter; Kuusk, Kalle; Kalamees, Targo** Energy and buildings 2025 / art. 116193 <https://doi.org/10.1016/j.enbuild.2025.116193>

Effect of Bulk Capacitor on Harmonics of Energy-Efficient Devices

Daniel, Kamran; Kütt, Lauri; Lehtonen, Matti; **Shabbir, Noman; Iqbal, Muhammad Naveed;** Martins, Joao; Simson, Päivo IEEE Access 2025

Fault detection and protection strategy for multi-terminal HVDC grids using wavelet analysis

Kaur, Jashandeep; Jayasooriya, Manilka; **Iqbal, Muhammad Naveed; Daniel, Kamran; Shabbir, Noman; Peterson, Kristjan** Energies 2025 / art. 1147 <https://doi.org/10.3390/en18051147>

Glass-box Automated Driving : Insights and Future Trends

Bellone, Mauro; Sell, Raivo; Soe, Ralf-Martin Proceedings of the 17th International Conference on Agents and Artificial Intelligence - (Volume 1) 2025 / p. 880-885 <https://doi.org/10.5220/0013384300003890>

Global review of Smart City governance practices

Beckers, Dominik; Gerli, Paolo; **Mora, Luca; Thabit Gonzalez, Sara; Tonnarelli, Francesco** 2022 <http://unhabitat.org/global-review-of-smart-city-governance-practices>

How policy capacities shape the green transition: explaining the use of EU sustainable finance in the EU's Central and Eastern European member states

Raudla, Ringa; Spendzharova, Aneta; **Veskioja, Kaija** Journal of European Public Policy 2025 / 25, p. 1-25
<https://doi.org/10.1080/13501763.2025.2502665>

Hybrid Attention-Based LSTM and XGBoost Model for Short-Term Residential Load Forecasting

Shabbir, Noman; Shahid, Arqum; Daniel, Kamran; Jawad, M.; **Rosin, Argo;** Martins, Joao 2025 IEEE the 13th International Conference on Smart Energy Grid Engineering (SEGE 2025) 2025

Integrating Attention-Based LSTM with XGBoost for Improved Residential DC Load Forecasting

Shabbir, Noman; Shahid, Arqum; Daniel, Kamran; Rosin, Argo; Kilter, Jako; Martins, Joao 2025 IEEE International Conference on Energy Technologies for Future Grids (ETFG) 2025

Kes võidab ja kes maksab kinni ülemineku taastuenergiatele? Kuidas leida tasakaal energiasüsteemi toimimise ning tarbija ja tootja huvide vahel?

Männasoo, Kadri; Kisel, Einari 2025 <https://doi.org/10.48726/rk818-6j360>

Managing Smart City governance : A playbook for local and regional governments

Beckers, Dominik; Gerli, Paolo; **Mora, Luca; Thabit, Sara; Tonnarelli, Francesco** 2023 <http://unhabitat.org/managing-smart-city-governance-a-playbook-for-local-and-regional-governments>

Multi-step ahead short-term residential DC load forecasting : A comparative study of NGBoost-based algorithms

Shabbir, Noman; Husev, Oleksandr; Hokmabad, Hossein Nourollahi; Daniel, Kamran; Jawad, Muhammad; Martins, Joao 2025 IEEE Seventh International Conference on DC Microgrids (ICDCM) 2025 / 6 p <https://doi.org/10.1109/ICDCM63994.2025.11144710>

Outdoor assessment and modeling of dust deposition impact on optimal tilt angle and operating temperature of photovoltaics

Khodakaram-Tafti, Amin; Yaghoubi, Milad; **Ferrantelli, Andrea** International Journal of Environmental Science and Technology 2025
<https://doi.org/10.1007/s13762-025-06723-8>

Overcoming the smart city governance challenge: an innovation management perspective

Beckers, Dominik; Mora, Luca Journal of urban technology 2025 / 22 p <https://doi.org/10.1080/10630732.2025.2461983>

Performance investigation of active, semi-active and passive suspension using quarter car model

Samaroo, Kyle; Awan, Abdul Waheed; Marimuthu, Siva; Iqbal, Muhammad Naveed; **Daniel, Kamran; Shabbir, Noman** Algorithms 2025 / art. 100 <https://doi.org/10.3390/a18020100>

Real-time economy : A new frontier in business and economic growth

Alishani, Art; Olesk, Maarja; **Soe, Ralf-Martin**; **Kadak, Tarmo**; Krimmer, Robert Johannes Halduskultuur : The Estonian journal of administrative culture and digital governance 2025 / p. 129-155 <https://doi.org/10.32994/hk.v23i1-2.314>

Review of technical solutions addressing voltage and operational challenges in a distribution grid with high penetration of intermittent RES

Astapov, Victor; **Shabbir, Noman**; **Rosin, Argo**; **Kütt, Lauri**; **Maask, Vahur**; **Tiismus, Hans** Energy reports 2025 / p. 1738-1760 <https://doi.org/10.1016/j.egy.2025.08.019>

Smart city code : Governance handbook for digital transformation managers in the public sector

Mora, Luca; Gerli, Paolo; **Beckers, Dominik**; **Thabit, Sara Gonzalez**; **Tonnarelli, Francesco** 2025 <http://shop.elsevier.com/books/smart-city-code/mora/978-0-443-13402-9>

A systematic review of research on just, equitable, responsible, and inclusive smart cities

Haque, Md. Nazmul; **Beckers, Dominik Patrik**; Costales, Emilio; Aad, Samar; Sharifi, Ayyoob; **Mora, Luca** Technology in society 2025 / art. 103050 <https://doi.org/10.1016/j.techsoc.2025.103050> <http://www.sciencedirect.com/science/article/pii/S0160791X25002404?via%3Dihub>

Towards 4D BIM : A Systematic Literature Review on Challenges, Strategies and Tools in Leveraging AI With BIM

Awe, Michael; **Malhi, Avleen Kaur**; Budka, Marcin; Mavengere, Nicholas; Dave, Bhargav Buildings 2025

Towards a conceptual model of cityGML 3.0 vegetation ADE

Petrova-Antonova, D.; Malinov, S.; **Mrosła, Laura**; Petrov, A. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives 2024 / p. 155-161 <https://doi.org/10.5194/isprs-archives-XLVIII-4-W10-2024-155-2024>
[Conference proceedings at Scopus](#) [Article at Scopus](#)

Towards the Automation of Last Planner System

Awe, Michael; **Malhi, Avleen Kaur**; Mavengere, Nicholas; Budka, Marcin; Dave, Bhargav 42nd International Symposium on Automation and Robotics in Construction 2025 / p. 1-8

Urban Digital Twins as a tool for multi-species approach in planning

Mrosła, Laura; **Allik, Martin**; **Fabritius, Eeva Henna Helena**; **Kupper, Kristiina** AESOP annual congress space for species : redefining spatial justice - book of abstracts 2022 / p. 148 <https://proceedings.aesop-planning.eu/index.php/aesopro/issue/view/13/13>

Using Gamification to Engage Citizens in Micro-Mobility Data Sharing

Masso, Anu; **Puura, Anniki**; **Gerassimenko, Jevgenia**; Järv, Olle Data in Brief 2025 / art. 111676 <https://doi.org/10.1016/j.dib.2025.111676>

What grows, adapts and lives in the digital sphere? Systematic literature review on the dynamic modelling of flora and fauna in digital twins

Mrosła, Laura; **Fabritius, Eeva Henna Helena**; **Kupper, Kristiina**; **Dembski, Fabian**; Fricker, Pia Ecological modelling 2025 / art. 111091 <https://doi.org/10.1016/j.ecolmodel.2025.111091>

Who are you? Examining the multifaceted innovation roles of municipal governments in AI governance

Elbehairy, Farah; **Mora, Luca**; **Soe, Ralf-Martin** Technovation 2025 / art. 103303 <https://doi.org/10.1016/j.technovation.2025.103303>