

Agile local governments : experimentation before implementation

Soe, Ralf-Martin; Drechsler, Wolfgang Government information quarterly 2018 / p. 1-13 : ill <https://doi.org/10.1016/j.giq.2017.11.010>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Autonomous driving in the real-world : the weather challenge in the Sohjoa Baltic Project

Bellone, Mauro; Ismailogullari, Azat; **Müür, Jaanus**; Nissin, Oscar; **Sell, Raivo; Soe, Ralf-Martin** Towards connected and autonomous vehicle highways : technical, security and social challenges 2021 / p. 229–255 https://doi.org/10.1007/978-3-030-66042-0_9
[Article collection metrics at Scopus](#) [Article at Scopus](#)

Autonomous vehicle shuttle in Smart City testbed

Sell, Raivo; Soe, Ralf-Martin; Wang, Ruxin; Rassõlkin, Anton Intelligent System Solutions for Auto Mobility and Beyond : Advanced Microsystems for Automotive Applications 2020 2021 / p. 143–157 https://doi.org/10.1007/978-3-030-65871-7_11

Beyond technology. Local authorities' perspectives on smart sustainable cities in Porto Alegre

Schuch de Azambuja, Luiza; Soe, Ralf-Martin dg.o 25 : The 26th Annual International Conference on Digital Government Research (dg.o 2025) : Digital Government Fostering Social Cohesion for Reducing Inequalities, Porto Alegre, Brazil 9 -12 June 2025 : proceedings 2025 <https://doi.org/10.59490/dgo.2025.935>

Challenging diffusion of digital receipts

Soe, Ralf-Martin 2021 Eighth International Conference on eDemocracy and eGovernment (ICEDEG) : Quito, Ecuador, 28-30 July 2021 2021 / p. 110–117 <https://doi.org/10.1109/ICEDEG52154.2021.9530887>

Coding the smart city : preface

Vainio, Teija; Hodson, Elise; Sayún, Michel Nader; Soe, Ralf-Martin Interaction design and architecture(s) 2021 / p. 59-62
https://ixdea.org/wp-content/uploads/ixDEA_art/50/50_P_fs2.pdf [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Combined model of smart cities and electronic payments

Soe, Ralf-Martin; Mikheeva, Olga Proceedings of the 7th International Conference for E-Democracy and Open Government CeDEM17 : Danube University Krems, Krems, Austria, 17-19 May 2017 2017 / p. 194-205 : ill <https://doi.org/10.1109/CeDEM.2017.11>

Computer aided corporate sense-making and prioritization for SDGs

Liiv, Innar; Karo, Erkki; Soe, Ralf-Martin The Ethics of Artificial Intelligence for the Sustainable Development Goals 2023 / p. 365-378 https://doi.org/10.1007/978-3-031-21147-8_20 https://link.springer.com/chapter/10.1007/978-3-031-21147-8_20

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

Bellone, Mauro; Ismailogullari, Azat; Kantala, Tommi; Mäkinen, Sami; **Soe, Ralf-Martin**; Kyyrö, 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](#)

Data-based energy provision for smart cities

Soe, Ralf-Martin Digital Transformation and Global Society : Second International Conference, DTGS 2017, St. Petersburg, Russia, June 21-23, 2017 : revised selected papers 2017 / p. 319-328 https://doi.org/10.1007/978-3-319-69784-0_27 [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Datanimeste suursündmus | Suurandmete konverentsil taas hulk nimekaid esinejaid

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

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](#)

Devising an urban learning centre for municipalities in Eastern Partnership countries

Schuch de Azambuja, Luiza; Soe, Ralf-Martin New Sustainable Horizons in Artificial Intelligence and Digital Solutions : 22nd IFIP WG 6.11 Conference on e-Business, e-Services and e-Society, I3E 2023, Curitiba, Brazil, November 9–11, 2023, Proceedings 2023 / p. 403-417 https://doi.org/10.1007/978-3-031-50040-4_30 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Eesti teadlased töötasid välja meetodi energiamärgise koheseks määramiseks

director.ee 2023 [Eesti teadlased töötasid välja meetodi energiamärgise koheseks määramiseks](#) [Eestis töötati välja uudne energiamärgise määramise lahendus](#) [Eestis töötati välja uudne energiamärgise määramise lahendus](#)

Eesti teadlased töötasid välja meetodi kohese energiamärgise määramiseks

jarvateataja.postimees.ee 2023 [Eesti teadlased töötasid välja meetodi kohese energiamärgise määramiseks](#)

Eestis töötati välja uudne energiamärgise määramise lahendus

Ehitaja 2023 / lk. 34 : fot https://www.ester.ee/record=b1072123*est https://artiklid.elnet.ee/record=b2904595*est

Eestlaste passiivsus võib tunneliprojektis trumbid soomlastele anda : [tunneli teostatavusuuringut kommenteerib TTÜ Ragnar Nürkse innovatsiooni ja valitsemise instituudi doktorant Ralf-Martin Soe]

Saarmann, Tanel; **Soe, Ralf-Martin** Eesti Päevaleht 2016 / lk. 19 : ill <https://arileht.delfi.ee/artikkel/76558550/eestlaste-passiivsus-voib-tunneliprojektis-trumbid-soomlastele-anda>

Estonian president: Solutions modeled by researchers will help rebuild Ukrainian cities

baltictimes.com 2023 [Estonian president: Solutions modeled by researchers will help rebuild Ukrainian cities](https://baltictimes.com/2023/05/23/estonian-president-solutions-modeled-by-researchers-will-help-rebuild-ukrainian-cities/)

Exploring the journey towards smarter sustainable cities : capacity development for evolving governance practices =

Teel targemate jätkusuutlike linnade poole : arenevate valitsemisstruktuuride suutlikkuse kasvatamine

Schuch de Azambuja, Luiza 2024 https://www.ester.ee/record=b5685122*est <https://doi.org/10.23658/taltech.23/2024>
<https://digikogu.taltech.ee/et/Item/b108198f-303b-4bd8-9eca-c2859abcedf1>

Extending the “Smart City” concept to small-to-medium sized Estonian municipalities: initiatives and challenges faced

Fröhlich, K. A.; Soe, Ralf-Martin; Maoneke, P.B.; Jain, K.; Pinomaa, A.; Nieminen, M. Information Systems : 19th European, Mediterranean, and Middle Eastern Conference, EMCIS 2022, Virtual Event, December 21–22, 2022 : proceedings 2023 / p. 264–276 https://doi.org/10.1007/978-3-031-30694-5_20 [Conference proceedings at Scopus](#) [Article at Scopus](#)

Facilitating cross-sectoral digital product development

Soe, Ralf-Martin Proceedings of the 13th International Conference on Theory and Practice of Electronic Governance : ICEGOV 2020, 23-25 September, 2020 : Online Conference 2020 / p. 795-798 <https://doi.org/10.1145/3428502.3428623> [Conference proceedings at Scopus](#) [Article at Scopus](#)

FINEST Twins : platform for cross-border smart city solutions

Soe, Ralf-Martin dg.o 2017 : the proceedings of the 18th Annual International Conference on Digital Government Research : Innovations and Transformations in Government : June 7-9, 2017, Staten Island, NY, USA 2017 / p. 352-357 : ill <https://doi.org/10.1145/3085228.3085287> [Conference proceedings at Scopus](#) [Article at Scopus](#) [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](#)

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>

How do academic smart city centres operate in complex environments? A business model perspective

Ghanbari, Hadi; **Soe, Ralf-Martin; Toiskallio, Kalle;** Mora, Luca Cities 2024 / art. 105211 <https://doi.org/10.1016/j.cities.2024.105211>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Idavirulased on oodatud osa saama targa linna lahendustest

Põhjarannik 2023 / Lk. 7 [Idavirulased on oodatud osa saama targa linna lahendustest](https://pohjarannik.ee/2023/05/17/idavirulased-on-oodatud-osa-saama-targa-linna-lahendustest/)

Implications of digitalization in facilitating socio-technical energy transitions in Europe

Veskioja, Kaija; Soe, Ralf-Martin Energy research & social science 2022 / art. 102720 <https://doi.org/10.1016/j.erss.2022.102720>
[Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Innovation procurement as key to cross-border ITS pilots

Soe, Ralf-Martin International journal of electronic governance 2020 / p. 387-403 : ill <https://doi.org/10.1504/IJEG.2020.112585>
<https://doi.org/10.1504/IJEG.2020.10026305> [Journal metrics at Scopus](#) [Article at Scopus](#)

Institutionalising smart city research and innovation : from fuzzy definitions to real-life experiments

Soe, Ralf-Martin; Schuch de Azambuja, Luiza; Toiskallio, Kalle; Nieminen, Marko; Batty, Michael Urban Research & Practice 2021 / p. 112-154 <https://doi.org/10.1080/17535069.2021.1998592> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Isejuhtiva ühistranspordi arengul on kaalukaid takistusi [Võrguväljaanne]

Hellerma, Juhan novaator.err.ee 2021 / fot [Isejuhtiva ühistranspordi arengul on kaalukaid takistusi](https://novaator.err.ee/2021/05/17/isejuhtiva-uhistranspordi-arengul-on-kaalukaid-takistusi/)

Kas kogu inimkond elab sajandi lõpuks linnades?

Soe, Ralf-Martin postimees.ee 2025 <https://roheline.postimees.ee/8276375/kas-kogu-inimkond-elab-sajandi-lopuks-linnades>

Kas väikelinn on rumal linn?

Soe, Ralf-Martin; Kattel, Rainer Sirp 2015 / lk. 8 : ill <https://www.sirp.ee/s1-artiklid/arhitektuur/kas-vaikelinn-on-rumal-linn/>

Language of driving for autonomous vehicles

Kalda, Krister; Pizzagalli, Simone Luca; Soe, Ralf-Martin; Sell, Raivo; Bellone, Mauro Applied sciences 2022 / art. 5406
<https://doi.org/10.3390/app12115406> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mini-pilots public value framework for cities

Soe, Ralf-Martin Transport economics and management 2023 / p. 86–93 <https://doi.org/10.1016/j.team.2023.07.001>

Mobility acceptance factors of an automated shuttle bus last-mile service

Soe, Ralf-Martin; Müür, Jaanus Sustainability 2020 / art. 5469, 19 p. : ill <https://doi.org/10.3390/su12135469> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Mobility in smart cities : will automated vehicles take it over?

Soe, Ralf-Martin Smart governance for cities : perspectives and experiences 2020 / p. 189-216 https://doi.org/10.1007/978-3-030-22070-9_10

Piloting smart city solutions in very small, small and medium-sized municipalities. The Estonian case study

Sarv, Lill; Soe, Ralf-Martin ICEGOV '22 : Proceedings of the 15th International Conference on Theory and Practice of Electronic Governance 2022 / p. 475-482 <https://doi.org/10.1145/3560107.3560179> [Conference proceedings at Scopus](#) [Article at Scopus](#)

President Alar Karis külastas FinEst Targa Linna Tippkeskust

goodnews.ee 2023 [President Alar Karis külastas FinEst Targa Linna Tippkeskust](#)

Ralf-Martin Soe : tark linn on avatud uutele lahendustele ja teeb andmepõhiseid otsuseid

Soe, Ralf-Martin Mente et Manu 2019 / lk. 14-19 : fot https://www.ester.ee/record=b1242496*est https://www.ttu.ee/public/m/mente-et-manu/MM_02_2019/mobile/index.html

Ralf-Martin Soe: teaduspõhiselt saab lahendada probleeme vaid KOV-e kaasates [Võrguväljanne]

Soe, Ralf-Martin novaator.err.ee 2021 ["Ralf-Martin Soe: teaduspõhiselt saab lahendada probleeme vaid KOV-e kaasates"](#)

Reaalajamajanduse alused ja rakendusvõimalused : uuringu lõpparuanne [Võrguväljanne]

Krimmer, Robert Johannes; Kadak, Tarmo; Alishani, Art; Toots, Maarja; Soe, Ralf-Martin; Schmidt, Carsten 2019
https://www.mkm.ee/sites/default/files/taltech_rte_lopparuanne_ee.pdf

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>

Real-time economy : Definitions and implementation opportunities : Final research report [Online resource]

Krimmer, Robert Johannes; Kadak, Tarmo; Alishani, Art; Toots, Maarja; Soe, Ralf-Martin; Schmidt, Carsten 2019
https://www.mkm.ee/sites/default/files/taltech_rte_final_report_en1.0.pdf

Replication and upscaling of Smart Cities in Academia and practice: concepts, barriers and enablers

Soe, Ralf-Martin dg.o 2023 : The 24th Annual International Conference on Digital Government Research (DGO2023) : Together in the unstable world: Digital government and solidarity, Gdańsk, Poland, 11-14 July, 2023 : proceedings 2023 / p. 115–121
<https://doi.org/10.1145/3598469.3598481>

Self-driving shuttle bus use case in city of Tallinn

Kalda, Krister; Sell, Raivo; Soe, Ralf-Martin IOP conference series : materials science and engineering 2021 / art. 012047, 6 p. : ill
<https://doi.org/10.1088/1757-899X/1140/1/012047>

Smart cities : from silos to cross-border approach

Soe, Ralf-Martin International journal of e-planning research (IJEPR) 2018 / p. 70-88 <https://doi.org/10.4018/IJEPR.2018040105> [Journal metrics at Scopus](#) [Article at Scopus](#)

Smart city collaboration model : A case study of university-city collaboration

Sarv, Lill; Kibus, Kristel; Soe, Ralf-Martin Proceedings of the 13th International Conference on Theory and Practice of Electronic Governance : ICEGOV 2020, 23-25 September, 2020 : Online Conference 2020 / p. 674–677 <https://doi.org/10.1145/3428502.3428601> [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Smart governance in urban mobility process

Soe, Ralf-Martin Science and Technologies for Smart Cities : 6th EAI International Conference, SmartCity360°, Virtual Event, December 2-4, 2020 : proceedings 2021 / p. 542-552 https://doi.org/10.1007/978-3-030-76063-2_36 [Conference Proceedings at Scopus](#) [Article at Scopus](#)

Smart twin cities via urban operating system

Soe, Ralf-Martin ICEGOV '17 : proceedings of the 10th International Conference on Theory and Practice of Electronic Governance : New Delhi AA, India, March 7-9, 2017 / p. 391-400 : ill <https://doi.org/10.1145/3047273.3047322> [Conference proceedings at Scopus](#) [Article at Scopus](#)

State of the art of automated buses

Ainsalu, Jaagup; **Müür, Jaanus**; **Soe, Ralf-Martin** Sustainability 2018 / art. 3118, 34 p. : ill <https://doi.org/10.3390/su10093118> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Suurandmeteta Londoni-sarnaseid suurlinnu enam ei juhi

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

Systematic mapping of long-term urban challenges

Soe, Ralf-Martin; **Sarv, Lill**; Gasco-Hernandez, Mila Sustainability 2022 / art. 817 <https://doi.org/10.3390/su14020817> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

A tale of two smart cities. How virtual walls between cities can fall = Lugu kahest targast linnast. Kuidas virtuaalsed piirid linnade vahel saavad langeda

Soe, Ralf-Martin 2018 <https://digi.lib.ttu.ee/i/?9794>

Tallinna ja Helsingi digitaalne ühendamine tähendab ulmelisi uuendusi ja tööriistu linlastele mõlemast riigist

Väli, Linda-Mari pealinn.ee 2023 ["Tallinna ja Helsingi digitaalne ühendamine tähendab ulmelisi uuendusi ja tööriistu linlastele mõlemast riigist"](#)

Tallinna Ülikool müüb aktiivselt kinnisvara : [lisatud andmed 2000-2005 TTÜ müüdud kinnistute kohta]

Soe, Ralf-Martin Äripäev 2006 / 10. juuli, lk. 8 <https://epi.delfi.ee/artikkel/51044024/tallinna-ulikool-muub-aktiivselt-kinnisvara>

Targa linna tippkeskus Finest Twins

Soe, Ralf-Martin Sirp 2019 / lk. 36-37 : ill https://www.ester.ee/record=b1072938*est <https://sirp.ee/s1-artiklid/c21-teadus/targa-linna-tippkeskus-fineest-twins/>

Targa linna visioonist teostuseni : nutikad lahendused meie ümber

Soe, Ralf-Martin Riigikogu Toimetised 2023 / lk. 113-122 : ill https://www.ester.ee/record=b1361123*est <https://rito.riigikogu.ee/wordpress/wp-content/uploads/2023/12/RiTo-48-1.pdf>

Tehnikaülikool püüab teha Tallinnast ja Helsingist digitaalse kaksiklinna [Võrguväljaanne]

Himma, Marju novaator.err.ee 2019 / fot [Tehnikaülikool püüab teha Tallinnast ja Helsingist digitaalse kaksiklinna](#)

The role of demographics in cities

Soe, Ralf-Martin dg.o 2017 : the proceedings of the 18th Annual International Conference on Digital Government Research : Innovations and Transformations in Government : June 7-9, 2017, Staten Island, NY, USA 2017 / p. 446-451 : ill <https://doi.org/10.1145/3085228.3085274> [Conference proceedings at Scopus](#) [Article at Scopus](#) [Article at WOS](#)

Towards a typology of data-enabled co-creation platforms in smart cities and mapping of practices in OECD countries

Fadmastuti, Mahardika; **Karo, Erkki**; **Soe, Ralf-Martin** Journal of urban technology 2024 / p. 29-52

<https://doi.org/10.1080/10630732.2024.2390795> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Transition towards Smart City : the case of Tallinn

Sarv, Lill; **Soe, Ralf-Martin** Sustainability 2021 / art. 4143, 18 p <https://doi.org/10.3390/su13084143> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Tuleviku linn – suur ja tark

Trialoog 2025 <https://trialoog.taltech.ee/tuleviku-linn-suur-ja-tark/>

Tuleviku targad linnad on piiriülesed ja keskenduvad inimeste heaolule

digi.geenius.ee 2023 [Tuleviku targad linnad on piiriülesed ja keskenduvad inimeste heaolule](#)

Urban open platform for borderless smart cities

Soe, Ralf-Martin; Ruohomäki, Timo; **Patzig, Henry** Applied sciences 2022 / art. 700 <https://doi.org/10.3390/app12020700> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Use case of Autonomous Vehicle shuttle and passenger acceptance analysis

Kalda, Krister; **Sell, Raivo**; **Soe, Ralf-Martin** Proceedings of the Estonian Academy of Sciences 2021 / p. 429-436 : ill <https://doi.org/10.3176/proc.2021.4.09> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)

Uued inimesed ja positsioonid

Koppel, Indrek; **Mazina-Šinkar, Jekaterina**; **Soe, Ralf-Martin**; **Ošeka, Maksim**; **Kritševskaja, Marina**; **Reidolf, Merli**; **Laasmaa, Martin**; **Puura, Erik**; **Läanelaid, Mihkel**; **Hadzihanovic, Amar** Mente et Manu 2023 / lk. 51-55 : fot

https://www.ester.ee/record=b1242496*est

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>

Viie aastaga targa linna lipulaevaks

Vill, Ants Director. Inseneeria 2020 / lk. 52-55 : fot http://www.ester.ee/record=b2336521*est <https://director.ee/2020/01/28/viie-aastaga-targa-linna-lipulaevaks/>

Viis head mõtet GreenEST Summitilt

Oll, Sulev; Soe, Ralf-Martin; Tomberg, Hanno; Hints, Rutt; Kaljundi, Jüri; Orgusaar, Kaisa Mente et Manu 2021 / lk. 28-29 : ill https://www.ester.ee/record=b1242496*est

Women's (im)mobility strategies and digital platform adoption: the case study of employees doing desk work in Pune, India

Baudens, Pauline; Masso, Anu; Soe, Ralf-Martin Gender, technology and development 2023 / p. 423-443

<https://doi.org/10.1080/09718524.2023.2260651> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

World smart cities outlook 2024

Gerli, Paolo; Mora, Luca; Neves Da Rocha, Fabio; Nguyen, Huong 2024

https://unhabitat.org/sites/default/files/2024/12/un_smart_city_outlook.pdf

Võrult oodatakse keerulisi probleeme targa linna ideekonkursile

Võrumaa Teataja 2023 / Lk. 4 <https://dea.digar.ee/article/vorumaateataja/2023/09/07/7.1>

Üks küsimus : milline on teie jaoks ideaalne ülikool?

Mente et Manu 2020 / lk. 24-25 , 34-35, 44-45 : portr https://www.ester.ee/record=b1242496*est