Jeppe Rich



Professor, Technical University of Denmark
Department of Technology, Management and Economics

Phone (DTU):	+45 4525 4556
Email:	rich@dtu.dk
LinkedIn:	linkedin.com/in/jeppe-rich-b6125841
Google Scholar:	scholar.google.dk
ORCID:	0000-0001-5706-3836
ResearcherID:	L-8864-2016
ResearchGate:	researchgate.net/profile/J_Rich

Nationality: Danish.

Education

1995	M.Sc. in Mathematical Planning, University of Aarhus.
2001	Ph.D., Technical University of Denmark (12 December 2001).
1989	Secondary School, Mat.Samf., Thisted Gymnasium.

Career

1995–1998	Researcher, NERI, The Ministry of the Environment.
1998–2001	Ph.D. student, Technical University of Denmark (DTU).
1999 (Jan–Jul)	Guest researcher, Royal Institute of Technology, Stockholm.
2001	Post-doc researcher, DTU.
2002–2008	Assistant Professor, DTU (Centre for Traffic and Transport).
2002 (Sep)	Reduced time at DTU (30 hrs/week).
2002–2003	Senior consultant, Atkins Denmark A/S (7 hrs/week).
2008 (Sep)	Associate Professor, DTU Transport.
2014 (Dec)	Coordinator of the Large-Scale Modelling team.
2016 (Dec)	Professor with special responsibilities in large-scale transport models.
2018–2020	Section leader, Demand Modelling Group (March 2018 – January 2020).
Present	Professor, DTU Management, Department of Technology, Management and Economics.

Short Bio

Jeppe Rich is Professor at the Technical University of Denmark in large-scale transport modelling across several transport domains. With a background in mathematics, econometrics, and planning, he works on a wide range of quantitative transportation topics, including demand models, logistics, population synthesis, charging infrastructure planning, and assessments of infrastructure, car ownership, and bicycle demand.

In March 2023, Jeppe Rich was appointed co-editor-in-chief of the Elsevier-based *Journal of Cycling and Micromobility Research*, a publication he co-founded with Professor Eva Heinen. Throughout his career he has been integral to numerous large-scale model projects, notably serving as chief designer for the National Transport Model, a €7 million venture.

Jeppe collaborates closely with academia and the transport industry, with affiliations at TU Delft, NTNU, ETH, Leeds, KU, TUM, KTH, Tongji, Technion, and MIT. He maintains strong relationships with the Danish transport ministry, public authorities, international consultancies, and the European Commission.

Appointments and Editorial Activities

- 2025: Member, expert group on green transitions in freight transport (led by DI and 3F).
- 2025: Transport Research Prize (DKK 75,000), awarded biennially for significant contributions to transport research and knowledge transfer in Denmark.
- 2023–2026: Editor-in-Chief and Founding Editor, *Journal of Cycling and Micromobility Research* (Elsevier).
- 2020–present: Board Member, Danish Aeromobilities Academy.
- 2020–2024: Guest Professor, Southeast University, China.
- 2017–2021: Member of the committee for the Bibliometric Research Indicator (BFI).
- 2016–2019: Advisory Board Member, *European Transport Research Review* (ETRR).
- 2010–present: Member, Scientific Committee, Traffic Days at Aalborg University Copenhagen (AUC).
- 2020: Member, Scientific Committee, Cycling Research Board Annual Meeting (CRBAM).
- 2016–2018: Member, DTU Study Board.
- 2004: Recipient, Danish Transport Research Prize (Bendtsens Transport Research Prize).

Jeppe Rich serves as expert evaluator for the European Commission, evaluator for the Norwegian Research Council, and invited PhD examiner.

Research Interests

General Expertise

- **Econometrics**: limited dependent variable models, time-series analysis, regression, and systems of equations.
- **Discrete Choice & Random Utility Theory**: multinomial logit, nested logit, mixed logit, and related models.
- **Transport Economics**: efficiency, cost-benefit assessment, hedonic pricing, value-of-time, and transport externalities.
- **Transport Demand Modelling**: large-scale model frameworks for policy and infrastructure impact assessment.
- **Agent-Based Modelling**: emergent behaviour and interactive dynamics in transport systems.
- **Optimisation**: non-linear black-box optimisation, mixed-integer programming, and dynamic programming.

Specific Domain Interests

- Freight transport modelling (micro-econometric and high-level perspectives).
- Transport electrification: EV procurement, charging infrastructure, smart charging, grid interaction.
- Automated vehicles: network effects, demand modelling, transport simulation.
- Population synthesis: IPF, microsimulation, probabilistic methods.
- Shared mobility: fleet relocation, demand prediction, dynamic pricing, service area definition.
- Micromobility: infrastructure development and demand influence for cycling and e-bikes.

Publication Metrics (October 2025)

Database	Documents	H-index	Citations
Google Scholar	—	27 (i10: 52)	2,472
Scopus	61	23 (i10: 30)	1,342
Web of Science	52	23 (i10: 27)	1,290
Semantic Scholar	60	–	1,629

According to Scopus, 84.8% of publications are in top-25% journals and 58.8% are in the top citation percentile. Scopus lists 92 co-authors.

Papers in International Journals

[1] Rich J. (2026). Generational action-space dynamics over two decades: A continuity density-field perspective. *Journal of Transport Geography* (in press). https://doi.org/10.1016/j.jtrangeo.2026.104847

[2] Jensen A.F., Mabit S.E., Rich J. (2026). Would you let your car feed the grid? Comparing vehicle-to-grid smart charging preferences across six European countries. *Energy Research & Social Science*, 139, 104855. https://doi.org/10.1016/j.erss.2026.104855 [0 cit.]

[3] Rich J. (2026). On the theoretical distribution of cost overruns: A lognormal baseline. *Transportation Research Part A*, 212, 105189. https://doi.org/10.1016/j.tra.2026.105189 [0 cit.]

[4] Mabit S.E., Bunch D.S., Jensen A.F., Rich J. (2026). Spatial differences in PEV demand: The case of Denmark. *Journal of Transport Geography*, 131, 104538. https://doi.org/10.1016/j.jtrangeo.2025.104538 [0 cit.]

[5] Rich J. (2026). Beyond Box-Cox: A diffusion-inspired functional framework for nonlinear demand and discrete choice modeling. *Transportation Research Part B*, 204, 103380. https://doi.org/10.1016/j.trb.2025.103380 [0 cit.]

[6] Argyros D., Fjendbo Jensen A., Rich J. (2026). Welfare-optimal public transport fares in Denmark. *Transportation Research Part A*, 204, 104790. https://doi.org/10.1016/j.tra.2025.104790 [0 cit.]

[7] Unterluggauer T., Hipolito F., Andersen P.B., Rich J., Marinelli M. (2026). Conditional connection agreements for electric vehicle charging: Review, design, and implementation of solutions for the low-voltage power distribution grid. *Renewable and Sustainable Energy Reviews*, 227, 116427. https://doi.org/10.1016/j.rser.2025.116427 [0 cit.]

[8] Yang S., An K., Rich J. (2026). Electric bus battery swapping and charging management across multiple depots. *Omega*, 138, 103434. https://doi.org/10.1016/j.omega.2025.103434 [5 cit.]

[9] Thorhauge M., Rich J., Mabit S.E. (2026). Charging behaviour and range anxiety in long-distance EV travel: an adaptive choice design study. *Transportation*, 53, 2197-2219. https://doi.org/10.1007/s11116-024-10561-x [29 cit.]

[10] Rich J. (2026). Let's walk! The fallacy of urban first- and last-mile public transport. *Transportation*, 53, 511-533. https://doi.org/10.1007/s11116-024-10505-5 [6 cit.]

[11] Arning L., Paulsen M., Rich J., Kaths H. (2025). Is it cycling culture? Explaining regional bicycle use in Denmark and Germany using a joint trip-level mode choice model. *Journal of Cycling and Micromobility Research*, 6, 100096. https://doi.org/10.1016/j.jcmr.2025.100096 [0 cit.]

[12] Servizi V., Persson D.R., Pereira F.C., Villadsen H., Bækgaard P., Rich J., Nielsen O.A. (2025). Large Scale Passenger Detection with Smartphone/Bus implicit interaction and Multisensory Unsupervised Cause-effect learning. *IEEE Intelligent Transportation Systems Magazine*. https://ieeexplore.ieee.org/document/11218216

[13] Karam A., Rich J. (2025). Planning the transition to electric trucks: An optimization framework for line-haul logistics. *Research in Transportation Business & Management*, 61, 101413. https://doi.org/10.1016/j.rtbm.2025.101413 [1 cit.]

[14] Steinacker C., Paulsen M., Schröder M., Rich J. (2025). Robust design of bicycle infrastructure networks. *Scientific Reports*, 15, 15471. https://doi.org/10.1038/s41598-025-99976-9

[3 cit.]

[15] Argyros D., Rich J., Jensen A.F. (2025). The Overlooked Role of Roadworks in Micromobility's Accessibility. *Findings*. https://doi.org/10.32866/001c.128226 [0 cit.]

[16] Jenn A., Chakraborty A., Hardman S., Hoogland K., Sugihara C., Tal G., Helveston J., Rich J., Jochem P., Plötz P., Sprei F., Williams B., Axsen J., Figenbaum E., Pontes J., Refa N. (2025). Supply-side challenges and research needs on the road to 100% zero-emissions vehicle sales. *Progress in Energy*, 7, 022002. https://doi.org/10.1088/2516-1083/ada199 [6 cit.]

[17] Hipolito F., Rich J., Andersen P.B. (2024). The role of EV fast charging in the urban context: An agent-based model approach. *eTransportation*, 22, 100369. https://doi.org/10.1016/j.etran.2024.100369 [8 cit.]

[18] Paulsen M., Rich J. (2024). Welfare optimal bicycle network expansions with induced demand. *Transportation Research Part B*, 190, 103095. https://doi.org/10.1016/j.trb.2024.103095 [6 cit.]

[19] Carrone A.P., Rich J., Watling D. (2024). Analysis of car sharing operation area performance: An idle time prediction approach. *Transportation Research Part A*, 190, 104241. https://doi.org/10.1016/j.tra.2024.104241 [4 cit.]

[20] Argyros D., Jensen A.F., Rich J., Dalyot S. (2024). Riding smooth: A cost-benefit assessment of surface quality on Copenhagen's bicycle network. *Sustainable Cities and Society*, 108, 105473. https://doi.org/10.1016/j.scs.2024.105473 [15 cit.]

[21] Rich J., Fox J. (2024). Cost sharing in passenger transport models: specification, implementation, and impacts. *Transportation Research Part A*, 179, 103897. https://doi.org/10.1016/j.tra.2023.103897 [4 cit.]

[22] Rich J., Heinen E. (2023). Editorial: Welcome to the Journal of Cycling and Micromobility Research. *Journal of Cycling and Micromobility Research*, 1, 100002. https://doi.org/10.1016/j.jcmr.2023.100002 [2 cit.]

[23] Paulsen M., Rich J. (2023). Societally optimal expansion of bicycle networks. *Transportation Research Part B*, 174, 102778. https://doi.org/10.1016/j.trb.2023.06.002 [27 cit.]

[24] Unterluggauer T., Hipolito F., Rich J., Marinelli M., Andersen P.B. (2023). Impact of cost-based smart electric vehicle charging on urban low voltage power distribution networks. *Sustainable Energy, Grids and Networks*, 35, 101085. https://doi.org/10.1016/j.segan.2023.101085 [41 cit.]

[25] Rich J., Seshadri R., Jomeh A.J., Clausen S.R. (2023). Fixed routing or demand-responsive? Agent-based modelling of autonomous first and last mile services in light-rail systems. *Transportation Research Part A*, 173, 103676. https://doi.org/10.1016/j.tra.2023.103676 [18 cit.]

[26] Ingvardson J.B., Weisshaar M., Rich J. (2023). Will good public transport substitute free-floating car sharing? A case study from Copenhagen. *Case Studies on Transport Policy*, 12, 100975. https://doi.org/10.1016/j.cstp.2023.100975 [3 cit.]

[27] Rich J., Myhrmann M.S., Mabit S.E. (2023). Our children cycle less - A Danish pseudo-panel analysis. *Journal of Transport Geography*, 106, 103519. https://doi.org/10.1016/j.jtrangeo.2022.103519 [10 cit.]

[28] Vandet C.A., Rich J. (2023). Optimal placement and sizing of charging infrastructure for EVs under information-sharing. *Technological Forecasting and Social Change*, 187, 122205. https://doi.org/10.1016/j.techfore.2022.122205 [31 cit.]

[29] Rich J., Vandet C.A., Pilegaard N. (2022). Cost–benefit of a state-road charging system: The case of Denmark. *Transportation Research Part D*, 109, 103330. https://doi.org/10.1016/j.trd.2022.103330 [14 cit.]

[30] Thorhauge M., Fjendbo Jensen A., Rich J. (2022). Effects of autonomous first- and last mile transport in the transport chain. *Transportation Research Interdisciplinary Perspectives*, 15, 100623. https://doi.org/10.1016/j.trip.2022.100623 [25 cit.]

[31] Hipolito F., Vandet C.A., Rich J. (2022). Charging, steady-state SoC and energy storage distributions for EV fleets. *Applied Energy*, 317, 119065. https://doi.org/10.1016/j.apenergy.2022.119065 [52 cit.]

[32] Unterluggauer T., Rich J., Andersen P.B., Hashemi S. (2022). Electric vehicle charging infrastructure planning for integrated transportation and power distribution networks: A review. *eTransportation*, 12, 100163. https://doi.org/10.1016/j.etran.2022.100163 [210 cit.]

[33] Huang K., An K., Correia G.H.D.A., Rich J., Ma W. (2021). An innovative approach to solve the carsharing demand-supply imbalance problem under demand uncertainty. *Transportation Research Part C*, 132, 103369. https://doi.org/10.1016/j.trc.2021.103369 [41 cit.]

[34] Papu Carrone A., Monteiro M.M., Rich J. (2021). Modelling car ownership dynamics based on irregularly spaced panel data. *Travel Behaviour and Society*, 25, 223-232. https://doi.org/10.1016/j.tbs.2021.07.008 [4 cit.]

[35] Garrido S., Borysov S., Rich J., Pereira F. (2021). Estimating causal effects with the neural autoregressive density estimator. *Journal of Causal Inference*, 9, 211-228. https://doi.org/10.1515/jci-2020-0007 [10 cit.]

[36] Jensen A.F., Thorhauge M., Mabit S.E., Rich J. (2021). Demand for plug-in electric vehicles across segments in the future vehicle market. *Transportation Research Part D*, 98, 102976. https://doi.org/10.1016/j.trd.2021.102976 (corrigendum: https://doi.org/10.1016/j.trd.2024.104074) [24 cit.]

[37] Hallberg M., Rasmussen T.K., Rich J. (2021). Modelling the impact of cycle superhighways and electric bicycles. *Transportation Research Part A*, 149, 397-418. https://doi.org/10.1016/j.tra.2021.04.015 [41 cit.]

[38] Rich J., Nielsen T.S. (2021). How adaptive cruise control systems may increase congestion: An MFD perspective. *Danish Journal of Transportation Research*. https://doi.org/10.5278/ojs.djtr.v3i1.4619

[39] Rich J. (2021). Generalized Cost for Transport. *International Encyclopedia of Transportation*, 555-559. https://doi.org/10.1016/B978-0-08-102671-7.10513-5 [4 cit.]

[40] Rich J., Jensen A.F., Pilegaard N., Hallberg M. (2021). Cost-benefit of bicycle infrastructure with e-bikes and cycle superhighways. *Case Studies on Transport Policy*, 9, 608-615. [Awarded Best Research Award]. https://doi.org/10.1016/j.cstp.2021.02.015 [49 cit.]

[41] Carrone A.P., Rich J., Vandet C.A., An K. (2021). Autonomous vehicles in mixed motorway traffic: capacity utilisation, impact and policy implications. *Transportation*, 48, 2907-2938. https://doi.org/10.1007/s11116-020-10154-4

[42] Borysov S.S., Rich J. (2021). Introducing synthetic pseudo panels: application to transport behaviour dynamics. *Transportation*, 48, 2493-2520. https://doi.org/10.1007/s11116-020-10137-5 [12 cit.]

[43] Papu Carrone A., Rich J. (2021). A micro-model of car ownership dynamics: are preferences changing?. *Transportation Letters*, 13, 138-147. https://doi.org/10.1080/19427867.2020.1716473 [12 cit.]

[44] Huang K., An K., Rich J., Ma W. (2020). Vehicle relocation in one-way station-based electric carsharing systems: A comparative study of operator-based and user-based methods. *Transportation Research Part E*, 142, 102081. https://doi.org/10.1016/j.tre.2020.102081 [97 cit.]

[45] Garrido S., Borysov S.S., Pereira F.C., Rich J. (2020). Prediction of rare feature combinations in population synthesis: Application of deep generative modelling. *Transportation Research Part C*, 120, 102787. https://doi.org/10.1016/j.trc.2020.102787 [56 cit.]

[46] Becker H., Becker F., Abe R., Bekhor S., Belgiawan P.F., Compostella J., Frazzoli E., Fulton L.M., Guggisberg Bicudo D., Murthy Gurumurthy K., Hensher D.A., Joubert J.W., Kockelman K.M., Kröger L., Le Vine S., Malik J., Marczuk K., Ashari Nasution R., Rich J., Papu Carrone A., Shen D., Shiftan Y., Tirachini A., Wong Y.Z., Zhang M., Bösch P.M., Axhausen K.W. (2020). Impact of vehicle automation and electric propulsion on production costs for mobility services worldwide. *Transportation Research Part A*, 138, 105-126. https://doi.org/10.1016/j.tra.2020.04.021 [71 cit.]

[47] Papu Carrone A., Hoening V.M., Jensen A.F., Mabit S.E., Rich J. (2020). Understanding car sharing preferences and mode substitution patterns: A stated preference experiment. *Transport Policy*, 98, 139-147. https://doi.org/10.1016/j.tranpol.2020.03.010 [67 cit.]

[48] Christensen L., Nielsen O.A., Rich J., Knudsen M. (2020). Optimizing airport infrastructure for a country: The case of Greenland. *Research in Transportation Economics*, 79, 100773. https://doi.org/10.1016/j.retrec.2019.100773 [17 cit.]

[49] Rich J. (2020). A spline function class suitable for demand models. *Econometrics and Statistics*, 14, 24-37. https://doi.org/10.1016/j.ecosta.2018.02.002 [0 cit.]

[50] Borysov S.S., Rich J., Pereira F.C. (2019). How to generate micro-agents? A deep generative modeling approach to population synthesis. *Transportation Research Part C*, 106, 73-97. https://doi.org/10.1016/J.TRC.2019.07.006 [46 cit.]

[51] Larsen R., Rich J., Rasmussen T.K. (2019). Hub-based truck platooning: Potentials and profitability. *Transportation Research Part E*, 127, 249-264. https://doi.org/10.1016/j.tre.2019.05.005 [75 cit.]

[52] Rich J., Vandet C.A. (2019). Is the value of travel time savings increasing? Analysis throughout a financial crisis. *Transportation Research Part A*, 124, 145-168. https://doi.org/10.1016/j.tra.2019.03.012 [24 cit.]

[53] Jensen A.F., Thorhauge M., de Jong G., Rich J., Dekker T., Johnson D., Cabral M.O., Bates J., Nielsen O.A. (2019). A disaggregate freight transport chain choice model for Europe. *Transportation Research Part E*, 121, 43-62. https://doi.org/10.1016/j.tre.2018.10.004 [56 cit.]

[54] Thorhauge M., Cherchi E., Walker J.L., Rich J. (2019). The role of intention as mediator between latent effects and behavior: application of a hybrid choice model to study departure time choices. *Transportation*, 46, 1421-1445. https://doi.org/10.1007/s11116-017-9839-2 [6 cit.]

[55] Rich J. (2018). Large-scale spatial population synthesis for Denmark. *European Transport Research Review*, 10, 63. https://doi.org/10.1186/s12544-018-0336-2 [0 cit.]

[56] de Jong G., Tanner R., Rich J., Thorhauge M., Nielsen O.A., Bates J. (2017). Modelling production-consumption flows of goods in Europe: the trade model within Transtools3. *Journal of Shipping and Trade*, 2, 5. https://doi.org/10.1186/s41072-017-0023-9 [20 cit.]

[57] Abegaz D., Hjorth K., Rich J. (2017). Testing the slope model of scheduling preferences on stated preference data. *Transportation Research Part B*, 104, 409-436. https://doi.org/10.1016/j.trb.2017.08.001 [3 cit.]

[58] Rich J., Overgaard Hansen C. (2016). The Danish National Passenger Model – model specification and results. *European Journal of Transport and Infrastructure Research*, 16. https://doi.org/10.18757/ejtir.2016.16.4.3159 [48 cit.]

[59] Thorhauge M., Cherchi E., Rich J. (2016). How flexible is flexible? Accounting for the

effect of rescheduling possibilities in choice of departure time for work trips. *Transportation Research Part A*, 86, 177-193. https://doi.org/10.1016/j.tra.2016.02.006 [54 cit.]

[60] Rich J., Mabit S.L. (2016). Cost damping and functional form in transport models. *Transportation*, 43, 889-912. https://doi.org/10.1007/s11116-015-9628-8 [1 cit.]

[61] Rich J., Nielsen O.A. (2015). System convergence in transport models: algorithms efficiency and output uncertainty. *European Journal of Transport and Infrastructure Research*, 15. https://doi.org/10.18757/ejtir.2015.15.3.3081 [5 cit.]

[62] Mabit S.L., Rich J., Burge P., Potoglou D. (2013). Valuation of travel time for international long-distance travel – results from the Fehmarn Belt stated choice experiment. *Journal of Transport Geography*, 33, 153-161. https://doi.org/10.1016/j.jtrangeo.2013.10.003 [22 cit.]

[63] Knudsen M.A., Rich J. (2013). Ex post socio-economic assessment of the Oresund Bridge. *Transport Policy*, 27, 53-65. https://doi.org/10.1016/j.tranpol.2012.12.002 [32 cit.]

[64] Rich J., Prato C.G., Hels T., Lyckegaard A., Kristensen N.B. (2013). Analyzing the relationship between car generation and severity of motor-vehicle crashes in Denmark. *Accident Analysis & Prevention*, 54, 81-89. https://doi.org/10.1016/j.aap.2013.02.016 [16 cit.]

[65] Rich J., Mulalic I. (2012). Generating synthetic baseline populations from register data. *Transportation Research Part A*, 46, 467-479. https://doi.org/10.1016/j.tra.2011.11.002 [32 cit.]

[66] Rich J., Mabit S.L. (2012). A Long-Distance Travel Demand Model for Europe. *European Journal of Transport and Infrastructure Research*, 12. https://doi.org/10.18757/ejtir.2012.12.1.2946 [36 cit.]

[67] Rich J., Kveiborg O., Hansen C.O. (2011). On structural inelasticity of modal substitution in freight transport. *Journal of Transport Geography*, 19, 134-146. https://doi.org/10.1016/j.jtrangeo.2009.09.012 [60 cit.]

[68] Rich J., Holmblad P.M., Hansen C.O. (2009). A weighted logit freight mode-choice model. *Transportation Research Part E*, 45, 1006-1019. https://doi.org/10.1016/j.tre.2009.02.001 [134 cit.]

[69] Gehlert T., Nielsen O.A., Rich J., Schlag B. (2008). Public acceptability change of urban road pricing schemes. *Proceedings of the Institution of Civil Engineers - Transport*, 161, 111-121. https://doi.org/10.1680/tran.2008.161.3.111 [18 cit.]

[70] Schönfelder S., Rich J., Nielsen O.A., Würtz C.J., Axhausen K.W. (2007). Road Pricing and its Consequences for Individual Travel Patterns. *Mobilities*, 2, 75-98. https://doi.org/10.1080/17450100601106401 [8 cit.]

[71] Rich J., Nielsen O.A. (2007). A socio-economic assessment of proposed road user charging schemes in Copenhagen. *Transport Policy*, 14, 330-345. https://doi.org/10.1016/j.tranpol.2007.03.003 [46 cit.]

[72] Rich J.H., Nielsen O.A. (2004). ASSESSMENT OF TRAFFIC NOISE IMPACTS. *International Journal of Environmental Studies*, 61, 19-29. https://doi.org/10.1080/0020723032000113790 [42 cit.]

Paper Submission Pipeline (2025–2026)

[R1] Rich J. (2025). From Fractions to Individuals: Information-Theoretic Integerization for Population Synthesis. In review, *Transportation Research Part B*.

[R2] Rich J. (2025). RICH: A Rapid Information-Theoretic Hybrid Algorithm for Mixed-Integer Optimization. In review, *Mathematical Programming Computation*.

[R3] Rich J., An K. (2026). Recasting Mix-Integer Programs as Probability Problems. In review, *Annals of Operational Research*.

[R4] Rich J. (2025). The Diverging Action-Space: Evolving Rhythms and Changing Habits in Daily Mobility. In review, *Nature Communications* (R3).

[R5] Argyros D., Jensen A.F., Rich J. (2025). Modelling transport market adaptation using synthetic pseudo-panels: Application to e-bike diffusion. In review, *Transportation Research Part C*.

[R6] Yang S., An K., Chen S., Rich J. (2026). Battery Electric Bus Scheduling for Hybrid Charging Systems Considering Travel Time and Energy Consumption Uncertainty. In review, *Omega* (OMEGA-D-26-03027).

[R7] Nicolodi R., Rich J., Laurent A. (2026). Future environmental impacts of electric heavy-duty trucks. In review, *Journal of Cleaner Production*.

[R8] Mabit S.E., Jensen A.F., Pálsson S.P., Rich J. (2026). Plug-in electric vehicle adoption in Europe: A cross-country analysis of preferences and willingness-to-pay in six markets. In review, *Transportation Research Part D*.

[R9] Rich J., Duncan L., Cats O., Watling D., Paulsen M., Rasmussen T.K. (2026). Optimal Stop Spacing and Service Frequency in Public Transport Networks: A Continuous Fixed-Point Approach. In review, *Transportation Research Part B*.

[R10] Nicolodi R., Rich J. (2026). Optimal Timing of Technology Adoption Under Deep Uncertainty. In preparation, *Transportation Research Part E*.

[R11] Rich J., Paulsen M., Argyros D., Rasmussen T.K. (2026). The Geometry of Stopping in Urban Cycling Networks. In preparation.

[R12] Rich J. (2026). Mapping the Near-Optimal Space of Transparent Classifiers. In preparation.

Books, Book Chapters, and Dissertations

- Rich J. (2016). *Transport Models – From Theory to Practice*. 400 pages, Lulu Press. https://www.dropbox.com/s/dve9zjppd0iy29p/Book_JR2016.pdf
- Hansen C.O., Rich J. (2011). TRANS-TOOLS. In *FREIGHTVISION – Sustainable European Freight Transport 2050*, Chapter 4, pp. 43–65. Springer Verlag. ISBN 978-3-642-13370-1.
- Schmiele J., et al. (2011). Forecasts. In *FREIGHTVISION*, Chapter 6, pp. 109–127. Springer Verlag.
- Rich J.H., Nielsen O.A. (2008). External Effects of Road-pricing. In Jensen-Butler C. et al. (eds), *Road-pricing, the Economy and the Environment*, Chapter 13. Advances in Spatial Science series.
- Bjørner T.B., Rich J.H., Nielsen O.A. (2003). TRIP and the price of silence (in Danish). *Environmental Research*, Strategic Research Programme, No. 57.
- Rich J.H. (2002). *Long-term Travel Demand Modelling*. PhD thesis, Technical University of Denmark, 220 pages.
- Rich J.H. (2001). Two aspects of location modelling. In Hensher D. (ed.), *Travel Behaviour Research – The Leading Edge*, Chapter 24, pp. 397–409, Pergamon.
- Rich J.H. (1995). *Spatial Econometric Models*. Master Thesis, University of Aarhus, 138 pages.

Danish Articles

- Rich J., Nielsen O.A., Gaudry M. (2018). Nationale trafikmodeller og deres organisering: En international sammenligning. *Trafik og Veje*, November 2018. http://asp.vejtid.dk/

Artikler/2018/11x/9150.pdf

- Rich J., Nielsen O.A. (2018). Den danske landstrafikmodel version 2.0. *Trafik og Veje*, November 2018. http://asp.vejtid.dk/Artikler/2018/11x/9148.pdf

Research Grants (Selected, Last 5 Years)

Acquired external funding with PI responsibility (excl. LTM) 2020–2025: approx. €2.66 million.

2026–2029	TRACTION – Road Freight Transport in Denmark: Utilizing Road Pricing Data to Investigate Electrification, Route Choice, Disruption, and Freight System Dynamics. Hedorfs Fond. DKK 3 million (approx. €400,000).
2025–2028	NaPSTI – Navigating the Path to Sustainable Transport Infrastructure. DFF. €400,000.
2024–2027	DESERTLE – Developing Absolute Environmentally Sustainable Roadmap for Electrification of Long-Haul Transport in Europe. DTU strategic PhD. €260,000.
2023–2026	Teddy – Towards Electrified goods Distribution with heavy duty trucks. Hedorf / FD fonden. €480,000 (DTU).
2023–2026	Micromobility PhD project. Eurotech Alliance PhD. €200,000.
2023–2026	PYNT. VD bicycle foundation. €250,000.
2022–2024	FLOW. Horizon 2020. €240,000 (DTU share).
2022	WhyCycle. National knowledge centre for bicycle transport. €53,000.
2020–2024	FUSE. EUDP. €350,000 (DTU share).
2021–2022	Chargo. Ministry of Transport. €95,000.
2020–2021	ELISA. Ministry of Transport. €150,000.
2020–2022	LINC. European Commission (UIA). €150,000 (DTU share).
2014–2021	National Transport Model. Ministry of Transport. €7,000,000 total; PI for demand model (~€1 million).
2018–2021	Copenhagen ABM model. Municipality of Copenhagen. €80,000 (DTU share).

Pending Applications (2024–2025)

- GMM PhD. Innovation Fund Denmark, industrial PhD with VD on model development of the GMM transport model. Approx. €250,000.
- NaPSTI 2. DFF2 (general call, September 2024). DTU as lead with Duncan Lawrence, Mads Paulsen, David Watling and Oded Cats; infrastructure prioritisation across modes and networks. Approx. €810,000.
- Dansk Standard. Postdoc on information-sharing in charging infrastructure, with Ravi Seshadri (DTU). Approx. €200,000.
- JRC joint PhD. Joint application with the European Commission Joint Research Centre (contact: Georgios Fontaras) on long-haul electrification. Two years of PhD time, approx. €200,000.
- POST-PI. Horizon application with 23 European logistics partners; DTU models fleet transitions at European level and first- and last-mile logistics, with Allan Larsen (DTU). Approx. €632,000.

Planned Applications (2025)

- NABOGO. Innovation Fund Denmark (Grand Solutions). With NABOGO (lead, with Otto Anker Nielsen) and municipalities (Vejle); car-pooling solutions for rural areas in Denmark and Norway.

Detailed Project Experience

2026–2029 **TRACTION** (Hedorfs Fond). Road freight transport in Denmark: utilizing road pricing data to investigate electrification, route choice, disruption, and freight system dynamics. Granted 2025, started September 2026. Research project including a PhD (Rasmus Weibull, from October 2026). DKK 3 million (approx. €400,000).

2025–2028 **NaPSTI** (DFF1). Expansion strategies for combined bicycle and public transport networks. Approx. €400,000.

2024–2028 **DESERTLE** (DTU strategic PhD initiative), with Prof. Alexis Laurent. Approx. €200,000.

2023–2024 **Foreign Expert Program – China** (Chinese Ministry of Research). Visiting professor programme with Hai Vu (Monash), Gonçalo Correia (TU Delft) and Jan-Dirk Schmöcker (Kyoto). Travel expenses, approx. €10,000.

2023–2026 **Teddy** (Hedorf and FD fonden). Electrification of line-haul and domestic distribution: business case, barriers, and charging infrastructure. Research project including a postdoc. Approx. €480,000.

2023–2025 **Micromobility PhD** (EuroTech/DTU). Micromobility analysed with advanced tracking technology; safety barriers and the influence of infrastructure design on behaviour. Approx. €200,000.

2022 **WhyCycle** (National Knowledge Centre for Cycling). Differences in cycling behaviour between the Netherlands and Denmark. Approx. €53,000.

2023–2024 **PYNT** (VD). Methods for optimal bicycle infrastructure design, with the Office of Cycle Superhighways (Copenhagen and East Jutland). Project leader. Approx. €250,000.

2022–2025 **FLOW** (Horizon 2020). Models of perceived charging behaviour before and revealed behaviour after buying an EV. Project leader. Approx. €9.95 million in total, €240,000 DTU Management share.

2020–2023 **FUSE** (EUDP). Urban EV charging infrastructure for Copenhagen and Frederiksberg; led by DTU Electro, DTU Management simulates demand and optimises the infrastructure. Project leader for DTU Management. Approx. €1.5 million in total, €350,000 DTU Management share.

2020–2021 **CHARGO** (Ministry of Transport). Optimal charging infrastructure for Denmark with micro-simulation of demand in space and time. Project leader. Approx. €100,000.

2020–2021 **ELISA** (Ministry of Transport). Data collection on EV demand in Denmark and discrete choice models of EV purchase preferences. Approx. €150,000.

2019–2021 **LINC** (Urban Innovative Actions). Models for the prediction of speed, alcohol and distraction for Denmark using machine learning and statistics. Project leader. Approx. €300,000 DTU Management share.

2018–2021 **Copenhagen ABM model** (Municipality of Copenhagen). Simulation-based ABM for Copenhagen; responsible for population synthesis. Approx. €2 million in total, €80,000 share.

2016– **Household TU synthesis I and II** (VD). Family-based trip diaries by hot-deck imputation and micro-simulation. Project leader. Approx. €20,000 and €50,000.

2016– **Minimum wage analysis I and II** (European Commission). Effect of minimum wages on freight transport. Project leader. Approx. €15,000 and €30,000.

2016– **LTM 2015 upgrade** and **LTM version 2.0** (Ministry of Transport). Recalibration to 2015 statistics and upgrade of the national model; project leader for the demand models. Approx. €80,000 and €200,000.

2011– **ACTUM** (Danish Research Council). Activity-based transport modelling; WP6 leader for model implementation, estimation and population synthesis. Approx. €1.5 million.

2011– **IMPROSA** (Danish Research Council). Road safety modelling; WP3 leader for statistical models of accident severity and frequency. Approx. €1.6 million.

2011– **Transscenario** (European Commission). Baseline projections with the TRANS-TOOLS model; model expert. Approx. €130,000.

2011– **TRANS-TOOLS 3** (European Commission). New European transport demand and network model; deputy project leader with key roles in the passenger demand model. Approx. €2 million.

2011– **Danish National Transport Model** (Ministry of Transport). Complete model of passenger, freight and international transport; project leader for the passenger demand model (approx. €1 million), and involved in baseline matrices (approx. €500,000), SP and RP data collection, overall model design, and validation. Approx. €6–7 million.

2011–2016 **Fehmarn Belt transport model** (Femern Belt Consortium). Traffic forecasts for the Fehmarn Belt; project leader for the passenger demand model (approx. €250,000). Approx. €1 million.

2010–2011 **TENConnect 2** (European Commission). Review and modification of TRANS-TOOLS v2 to improve performance, accuracy and convergence, applied to three options for the Trans-European Network; responsible for the passenger demand model upgrade and impact assessment. Approx. €200,000.

2010–2011 **Baltic Transport Outlook** (EU, TEN-T). Common strategic transport initiatives for the Baltic Sea Region; impact assessment. Approx. €1 million.

2007–2008 **TEN-Connect** (European Commission). Europe-wide nested logit passenger model of mode and destination choice from RP data; responsible for the passenger model. Over €1 million.

2007–2008 **Øresund Freight** (Interreg IIIB). Freight model for Scandinavia and the Øresund region; responsible for the joint crossing and mode choice model. Approx. €400,000.

2007–2008 **Bicycle route choice** (Municipality of Odense). Route choice model for cyclists. Approx. €50,000.

2006–2007 **SCGE for freight** (Ministry of Transport). SCGE freight model for evaluating road pricing for trucks; approx. one third of the project. Approx. €80,000.

2005–2006 **Greenland TGM** (Home Rule of Greenland). National model for Greenland led by DTU/CTT; contract negotiation, data collection, system design, and demand modelling. Approx. €320,000.

2005 **OTM matrix estimation**. Update of OD matrices for the Copenhagen region; TU data extraction and representativity. Approx. €500,000.

2005 **IMV**. Road-pricing scenarios for Copenhagen based on AKTA and the OTM model, with Tetra Plan A/S; demand model and link to assignment. Approx. €110,000–120,000.

2004–2005 **Children's mode choice to and from school**. Statistical model development. Less than €10,000.

2003–2004 **AKTA**. Large-scale GPS road-pricing experiment in Copenhagen (500+ cars over two years); demand models from RP and SP data and an elasticity model. Approx. €1–2 million.

2001–2007 **CLG**. Freight and logistics models led by CTT/DTU; spatial-economic SCGE freight models. Approx. €2–3 million.

2002–2003 **HH** (Atkins Denmark A/S). Fixed link between Elsinore and Helsingborg; forecasting model and data collection. Approx. €400,000.

2001–2004 **TRIP** (with University of Copenhagen and AKF). Partly financed postdoc on strategic transport models. Approx. €2–3 million.

2003	**Road-type model** (Atkins Denmark A/S). Cost-benefit tool for the choice of road type; software upgrades. Less than €50,000.
2003	**National value-of-time pre-study** (Ministry of Transport, with COWI, Tetra Plan and DTF). Approx. €100,000.
2003	**National freight models in Denmark, pre-study** (Ministry of Transport, with DTF). Approx. €100,000.
1998–2001	**Long-term travel demand modelling**. PhD project funded by NERI, STVF and DTU. Approx. €170,000.
1998–2001	**Integrated Environmental Assessment** (European Commission). Linking behavioural transport models with emission exposure models; project leader. Approx. €300,000.
1995–1998	**ALTRANS** (NERI). National behavioural demand model from RP surveys of 120,000+ respondents; model development, software implementation and TU database management. Approx. €1–2 million.

Recent Invited Talks and Conferences (Selected)

- 2026, March: Speaker, Transport Symposium GIPSA-lab, Grenoble, France.
- 2025 (Oktober): DI og 3F-expert group for Green Transition of Heavy Transport.
- 2025, November: Invited speaker, Transportation and Mobility Planning Colloquium, ETH Zurich.
- 2025, May: Invited talk, Jan Nygaard A/S – "Nytidens og fremtidens transport".
- 2025, May: Invited talk, Danske Erhverv – "Line Haul Electrification".
- 2024, October: Invited speaker, Movia, “The future of public transport”.
- 2024, October: Review board, Compass model.
- 2024, August: EWGT, Lund; Traffic Days, Aalborg. 2024, June: hEART, Helsinki.
- 2024, February: Invited expert, webinar on destination and mode choice in the Dutch national transport model (with Michiel Bliemer, Andrew Daly, Harry Timmermans, Gerard de Jong, John Bates, Luis Willumsen).
- 2023: Invited speaker, TØF, “CO_2 policies and actions – debate with Mogens Fosgerau”, Copenhagen.
- 2022: Contributing participant, Traffic Days (Aalborg), CRBAM (Amsterdam), hEART (Leuven).
- 2024, December: Invited seminar, KTH – "Transport should not be smart – it should be simple".
- 2024, November: Invited Lecturer, ETH Zurich.
- 2024, October: EcomExpo Copenhagen, invited speaker.
- 2024, May: Transportens dag, Danske Erhverv, invited speaker.
- 2024, February: Keynote, FUSE project final event, Frederiksberg.
- 2024, February: Invited speaker, Borgmester topmøde, Copenhagen City Hall.
- 2023, April: Invited expert, Agent-based modelling seminar, Oslo.
- 2023, March: Invited speaker, Aalto University, Finland.
- 2022: Invited keynote, Workshop on population synthesis and sustainable mobility, Göteborg.
- 2022: PhD Opponent, KTH Stockholm.

Teaching Activities

2023, Fall	Exploring the State-of-the-Art in quantitative transport science (42787), PhD course, course responsible.
2019–2023, Fall	Analysis of transport systems – demand and planning (42178), examinator.
2019–2022, Fall	Agent-based modelling and simulation (42188), Master course, course responsible.
2017–2023, Spr	Quantitative modelling of behaviour, Master course, lecturer.
2016, Spr	Advanced Transport Models, Master course, course responsible.
2004–2015, Fall	Transport Models, Master course, course responsible.
2010–2012	Statistical modelling of transport, diploma course, lecturer.
2005–2007, Spr	Discrete choice models, PhD course, lecturer.
2004–2008, Fall	Logistics and Transport, Bachelor course, lecturer.
2004–2008, Spr	Public Transport Planning, Master course, lecturer.
2004, August	Discrete Choice Modelling, International Intensive PhD Course, Molde.
1995–2005	Organiser of SAS support and courses at NERI (1995–1998) and CTT (2000–2005).

PhD Supervision

In addition, supervision of 3 postdocs, and from December 2026 Matthew Davidson (two-year postdoc, 2026–2028, *Fleet transition modelling under deep uncertainty*, co-supervised with Allan Larsen).

- Mikkel Thorhauge (2011–2015). *Departure Time Choice: Modelling Individual Preferences, Intention and Constraints*. Co-supervisor with Prof. Elisabetta Cherchi.
- Mette Aagaard Knudsen (2007–2013). *Danish long distance travel*. Co-supervisor with Otto Anker Nielsen.
- Sergio Garrido (2019–2021). *Machine Learning for demand modelling*. Co-supervisor with Francisco Pereira. (Left after publishing 3 papers.)
- Andrea Papu Carrone (2018–2021). *Demand and behaviour models for shared, electric and autonomous car mobility*. Co-supervisor with Anders Fjendbo Jensen.
- Tim Unterluggauer (2021–2024). *Urban Electric Vehicle Charging Infrastructure: Planning, Grid Impact and Grid Integration*. Co-supervisor with Peter Bach Andersen and Mattia Martinelli.
- Dimitrios Argyros (2023–2026). *Micromobility users' behaviour and safety from multiple large-scale data sources*. Co-supervisor with Anders Fjendbo Jensen.
- Raoul Nicolodi (2024–2027). *Sustainable Roadmap Scenarios for the Electrification of Long-Haul Transport*. Co-supervisor with Prof. Alexis Laurent.
- Rasmus Weibull (2026–2029). PhD on the TRACTION project (Hedorfs Fond). Co-supervisor with Thomas Kjær Rasmussen.

Master and Bachelor Supervision (2018–2026)

- 2026, April: Giulia Andretti, "Data-driven reagent demand forecasting and inventory optimization in NN Labs Support".
- 2026, February: Mads Werngreen, "GPS-based analysis of truck traffic in Denmark 2025".
- 2025, January: Sæmundur Hafsteinsson, "Optimal granularity of a public transport network" (tentative).
- 2025, January: Georgios Kapakoglou, "Logit models using backwards propagation" (tentative), with Guido Cantelmo.
- 2025, January: María Norma Henríquez Serrano and Juan Santos González-Llanos, "Optimisation of strategic pricing in maritime logistics" (tentative), with Maersk A/S.

- 2025, January: Miguel Torrens Simarro, “LCA modelling for battery trucks” (tentative). Master, with Raoul Nicolodi.
- 2025, January: Christian Høg, “Modelling the G/G queue for fast micro-simulation” (tentative). Master, with Filipe Rodrigues.
- 2024, August: Georgios Papadopoulos, “Navigating supply chain disruptions: Assessing the impact of Red Sea challenges on Hempel A/S”. Master.
- 2024, July: Kasper Thygesen and Oscar Aakvist Andersen, “The electric heavy-duty fleet transition planning in linehaul freight networks”. Bachelor.
- 2024, July: Marte Larsen, “Agent-based simulation of first-and-last mile services impacts on welfare”. Master.
- 2024, March: Ásmundur Jóhannsson, “Agent-based simulation of shared e-scooter system in Reykjavik”. Master.
- 2024, March: Jeppe Sander Frederiksen, “Detektion af vibration fra lokomotiver og dens infrastruktur”. Diploma.
- 2023, June: Zsófia Könyves, “Analysis of multi-year household travel diary data using dynamic topic models”. Master.
- 2023, June: Irene Sánchez Clemente, “Analysis of the current alternatives for decarbonising the road freight forward DSV – business case”. Master.
- 2023, June: Jakub Peplinski, “Analysis and simulation of signalized intersections: Priority for people over vehicles”. Master.
- 2023, May: George-Cristian Neagu, “Business case, analysis & simulation of a robot which charges vehicles based on industry data”. Master.
- 2022, August: Pelle Kaas Vad, “Geografisk analyse af det danske bilejerskab”. Diploma.
- 2022, July: Kyriakos Michailidis, “Analysis of charging needs in the municipality of Copenhagen based on parking data”. Master.
- 2022, May: Maresa Lisa Weisshaar, “Data-based investigation of the influence of public transport on free-floating carsharing usage”.
- 2021, March: Rune Bjørlund Madsen, “Charging behavior for long distance travel with electric vehicles”. Diploma.
- 2021, January: Ali Jamal Jomeh and Sofus Rasmus Clausen, “LINC: Simulation of autonomous shuttles in a public transportation system”. Bachelor.
- 2021, January: Filip Birkmose Vang, “Stochastic simulation of travel time reliability for city busses in operation”. Master.
- 2021, January: Mario Milutinovic, “Undersøgelse af letbaners evne til aflastning af kapacitetsudfordret kollektiv trafik i København”. Diploma.
- 2020, August: Antonios Koutounidis, “A travel and energy behaviour sensitive optimisation for charging of private EV fleet in the Danish context”. Master, with Francisco Pereira.
- 2020, July: Christian Anker Vandet, “Analysis of Danish infrastructure for charging of electrical vehicles”. Master.
- 2020, July: Pei Cao, “Optimal scheduling of electric autonomous buses under battery constraints”. Master.
- 2020, February: Martin Johan Hallberg, “Analyzing the potential of cycle superhighways in the Capital Region of Denmark”. Master.
- 2019, June: Sophie Green and Johanne Laegran, “Analysis of the impact of connected and autonomous vehicles (CAVs) on intersection performance”. Bachelor.
- 2018, December: Shahrom Hosseini Sohi, “Data-driven time series demand forecasting of car-sharing services: The case study of DriveNow in Munich, Germany”.

Academic Committees (2019–present)

- 2026
  - Invited examiner, PhD committee for Ehsan Saqib (KTH, December).
  - Chair, PhD committees for Mina and Alexander Hammel (DTU, May).

  - Rapporteur, PhD committee for Manuel Campero Jurado (GIPSA-lab, Grenoble, March).
- 2025
  - PhD committee, David Zani (ETH, November).
  - Chair, PhD committee for Kim Jiwon (DTU, October).
  - Promotion committee, David Gundlegård (VTI, September).
  - Chair, PhD committee for KuanYeh Chou (DTU, May).
- 2024
  - PhD opponent, Stephen McCarthy (KTH, November).
  - PhD opponent, Angelica Andersson (Linköping University, September).
  - Chair, promotion board for Associate Professor Rico Krueger (DTU).
  - Midterm evaluation panels for Rico Krueger and Guido Cantelmo (DTU).
- 2023
  - Promotion board, Erik Jenelius, Professor in Public Transport Systems (KTH).
  - Chair, PhD committee for Miroslawa Lukawska (DTU).
- 2022
  - PhD opponent, Bhavana Vaddadi (KTH).
  - Chair, PhD committee for Marcus Myhrmann (DTU).
- 2021
  - Assessor, professor assessment committee in Transport Economics (VTI).
  - Chair, PhD committee for Andreas Thingvad.
- 2020
  - Chair, PhD committees for Mads Paulsen and Raffaele Salvucci (DTU).
  - Chair, assessment committee for Associate Professor in Behavioural Transport Science (DTU).
  - Assessment committee for Associate Professor in Applied Economics within Energy, Climate and Transport (DTU).
- 2019
  - Chair, assessment committees for Associate Professor in Machine Learning and Mobility and in Quantitative Behavioural Modelling of Transport (DTU).
  - Chair, PhD committee for Ioulia Markou (DTU).
  - PhD committee, Juan Manuel Lorenzo Varela (KTH).

Recent Visiting Researchers

- 2025: Vianey Darsel (Université Gustave Eiffel, Paris), visiting student from Prof. Latifa Oukhellou.
- 2025: Rubina Singh (Washington State University), visiting student.
- 2025: Mohammad Mehdi Oshanreh (University of Washington), Valle scholarship and Scandinavian Exchange Program; co-hosted with Prof. Sonja Haustein.
- 2024: Leonard Arning (University of Wuppertal), bicycle demand modelling with a focus on e-bikes; co-hosted with Mads Paulsen and Anders Fjendbo Jensen.
- 2023: Lucas Ballo (ETH), short stay on the 15-minute city.
- 2023: Christoph Steinacker (TU Dresden), efficient bicycle networks.
- 2022: Haiming Cai (Harbin Institute of Technology), ridesharing and autonomous vehicles (CSC programme).
- 2022: Sagi Dalyo (Tel Aviv University), one-year stay on micromobility.
- 2022: Ellen Heffer Flaata (NTNU), short stay on micromobility and demand modelling.

Continuing Education

- DTU leadership programme, DTU (2015–2016).

- Academic English, DTU, 3 days (2008); project leader course, DTU, 3 days (2006); Teaching and Learning, DTU, 50 hours (2000); UDTU and UDTU advisor.
- Project leader course, NERI, 3 days (1997); Geographical Information Systems, DTU, 160 hours (1995).
- SAS Institute courses: data warehousing (concepts, tools, SAS/Warehouse Administrator, 1998), SAS Macro language (1997), object-oriented application development (1996); NERI courses in Avenue programming and ArcView (1996).

Software and Technical Skills

- **Statistical/econometric**: SAS (expert; Macro, STAT, MDC, IML, OR, Graph), STATA, Limdep, Biogeme, ALOGIT, OX/DCM.
- **Programming**: Python, R, MATLAB, Java, OX, PHP, C++ (basic).
- **Databases**: SQL, MySQL, PostgreSQL, SAS/ACCESS, SAS/Warehouse Administrator.
- **Optimisation**: GAMS (large-scale nonlinear), Maple V (symbolic mathematics).
- **Other**: Agent-based modelling frameworks, discrete choice estimation software.

Selected Media Activities (2021–2025)

Topic	Platform	Date
15 DKK takst i Århus	TV2 Øst, DR, DRTV	01.09.25
Ehedstakst Bornholm	DR	15.08.25
Nye metrolinjer i København	Altinget	04.06.25
Elektriske biler og afgifter	TV2 News	02.01.25
Elektriske lastbiler	Altinget	08.11.24
Ny busterminal i København	TV2 News	06.06.24
Kommunale CO2 politikker	Jyske Vestkysten	14.05.24
Århus 2030 plan	Radio4	09.04.24
Takstloftets betydning	DR.dk	22.03.24
CO2 udledning fra transportsektoren	Dynamo	19.03.24
CO2 bidrag ved omlægning af trafik	Århus Stiftstidende	18.03.24
Tung trafik og elektrificering	Dynamo	15.03.24
Cykelinfrastruktur og statens rolle	Ing.dk	21.02.24
Prisstigninger på kollektiv trafik	Kristeligt Dagblad	15.12.23
Billetpriser, kollektiv trafik	DR (21 nyhederne)	27.09.23
Bybiler og kollektiv trafik	Ing.dk	24.11.23
Bilfrie søndage og CO2 bidrag	Ritzau	21.11.23
Hvis flere skal vælge kollektiv trafik	TV2 Kosmopol	03.11.23
CO2 biddrag for personbiler	TV2	01.11.23
Kollektive takster	Mandag Morgen	24.10.23
Billetpriser, kollektiv trafik	BT	26.09.23
DSB-prisstigning	DR.dk	25.09.23
Besparelser på busruter	DR.dk, Ekstra Bladet	04.09.23
Europæiske togrejser	DR.dk / P4	23.06.23
Grønne brændstoffer	Altinget	27.04.23
Afgifter for lastbiler	DR.dk, TV2	03–04.04.23
Miljøzoner	Radio4, TV2.dk, DR.dk / P4	14–16.03.23
Autonome busser	DR.dk / P4	15.02.23
Vejbump og Actibump	DR.dk / P4	13.02.23
Kattegat og timemodellen	DR.dk / Næstved	18.12.22
On-demand og kollektiv trafik	Ing.dk	14.12.22
Alternative instrumenter	DR.dk / P4	26.10.22
Vejafgifter	Dynamo	10.22

Topic	Platform	Date
Motorcykler i fotofælder	DR.dk (TV-avisen, P4, Midt Vest)	01–03.10.22
den faldende cykelandel for unge	TV2, DR, Politiken	27.06.22
Staten tjener penge på cykelinfrastruktur	Ing.dk	26.06.22
Stigning i elbiler på landet	DR (TV-avisen + radio)	12.08.22
Vækst i elbiler og opladeinfrastruktur	DR.dk / P4	11.08.22
Kronik om CO2 målsætninger	Dynamo	03.22
Cykelinfrastruktur	TV2 Lorry	03.01.22
Cykelinfrastruktur er godt	Cordua & Steno / Berlingske	18.11.21
Cykelinfrastruktur (debatindlæg)	b.dk	16.11.21
CO2 målsætninger i transporten (kronik)	Altinget	11.11.21
Parkering i byerne	TV2.dk	28.10.21
BRT-busser	Ing.dk	27.10.21
Cykelinfrastruktur	DR.dk, DR.dk / Vejle	07–25.10.21
Opladeinfrastruktur skal overinvesteres (kronik)	Altinget	07.10.21
Cykling efter corona	Politiken	15.09.21
Klimarådets lastbilrapport	Ing.dk, Radio 24/7	13–14.09.21
Autonome køretøjer	Go' Morgen Danmark (live TV)	12.09.21



Jeppe Rich