

Karel Martens – Short Curriculum Vitae

Current position and contact details

Full Professor & The David J. Azrieli Chair in Architecture and Town Planning

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Degrees

2000 PhD in Policy Sciences, Radboud University, Nijmegen, the Netherlands

1991 Masters in Urban and Regional Planning, Radboud University (NL) (With Distinction)

1986 Bachelors in Urban and Regional Planning, Radboud University (NL) (Cum Laude)

Research interests

Transport and justice; transport planning; sustainable transport; parking dynamics and modeling

Honors

Leona Chanin Career Development Chair (2015)

Transport Professional of the Year, the Netherlands (2014)

Grants (ongoing grants only)

2022-2025, Funded by Israeli Ministry of Science and Technology, “Measuring mobility risk: developing and testing a data science tool in a natural experiment”, NIS 349,600 (PI; Co-PI Avigdor Gal, Technion)

2023-2024, Funded by K2 – Swedish Knowledge Centre for Public Transport, “AURORA: A pre-study on accessibility to and from areas of national interest for outdoor recreation”, SEK 54,075 (Co-PI; PI: Chiara Vitrano, VTI-Sweden)

2023, Funded by the Volvo Research and Educational Foundations, “Roads: enablers or barriers to walking?”, SEK 250,000 (PI)

2022-2023, Funded by K2 - The Swedish Knowledge Centre for Public Transport, “Do basic provisions meet inhabitants’ accessibility needs”, SEK 90,405 (Co-PI; PI: Chiara Vitrano, VTI-Sweden)

Books

1. **Martens, K.** *Transport Justice: Designing Fair Transportation Systems*. New York/Oxford, Routledge, 254 pp, 2017

2. Lucas, K. and **Martens, K.** (eds. – with Di Ciommo, F. and Dupont-Kieffer, A.) *Measuring Transport Equity*, Amsterdam/Oxford/Cambridge, Elsevier, 304 pp, 2019

Papers in refereed journals (selection)

3. **Martens, K.**, Justice in transport as justice in access: applying Walzer's 'Spheres of justice' to the transport sector. *Transportation*, 39(6): 1035-1053. 2012
4. **Martens, K.**, The role of the bicycle in limiting transport poverty in the Netherlands. *Transportation Research Record: Journal of the Transportation Research Board*, 2387: 20-25. 2013
5. **Martens, K.**, and Di Ciommo, F., Travel time savings, accessibility gains and equity effects in cost- benefit analysis. *Transport Reviews*. 37(2): 152-169. 2017
6. **Martens, K.** Ageing, impairments and travel: Priority setting for an inclusive transport system. *Transport Policy* 63: 122-130. 2018
7. Kerkman, K., **Martens, K.**, and Meurs, H., Predicting travel flows with spatially explicit aggregate models: on the benefits of including spatial dependence in travel demand modeling. *Transportation Research Part A* 118: 68-88. 2018
8. Jittrapirom, P., Van Neerven, W., **Martens, K.**, Trampe, D., and Meurs, H. The Dutch Elderly's Preferences toward a Smart Demand-Responsive Transport Service. *Research in Transportation Business & Management*, 30. 2019
9. **Martens, K.**, How just is transportation justice theory? The issues of paternalism and production: A comment. *Transportation Research Part A*, 133: 383-386. 2020
10. Vecchio G. and **Martens K.**, Accessibility and the Capabilities Approach: a review of the literature and proposal for conceptual advancements. *Transport Reviews*, 41/6: 833-854. 2021
11. **Martens, K.**, Singer, M. and Zada-Cohen, A.L., Equity in accessibility: moving from disparity to insufficiency analyses. *Journal of the American Planning Association*. 2022
12. Singer, M., Zada-Cohen, A.L., and **Martens, K.**, Core versus Periphery: Examining the Spatial Patterns of Insufficient Accessibility in US Metropolitan Areas. *Journal of Transport Geography*. 2022
13. **Martens, K.**, Singer, M.E., and Cohen-Zada, A.L., Equity in Accessibility: Moving From Disparity to Insufficiency Analyses." *Journal of the American Planning Association*: 1-16. 2023