

ARNÓR ELVARSSON– CURRICULUM VITAE

1 Personal information

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Date of birth	April 24, 1993
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2 Education

2021-	Ph.D., Swiss Federal Institute of Technology, Zurich, Switzerland
2016-2018	M.Sc. Spatial development and Infrastructure Systems, ETH Zürich Thesis: <i>The use of Real Option to account for future mobility uncertainty</i> , Awarded w/ Culmann Prize
2011-2014	B.Sc., Civil and Environmental Engineering University of Iceland, Reykjavík, Iceland

3 Employment history including current position(s)

2021-	Institute for Construction and Infrastructure Management (IBI), Department of Civil, Environmental and Geomatic Engineering at the ETHZ, Zürich, Switzerland <i>Doctoral research assistant</i>
2018-20	Infrastructure Management Consultants Ltd., Zürich, Switzerland <i>Project Engineer</i>
2016-18	Institute for Construction and Infrastructure Management, Department of Civil, Environmental and Geomatic Engineering at the ETHZ, Zürich, Switzerland <i>Student research assistant</i>
2014-15	EFLA Consulting Engineers, Reykjavík, Iceland, <i>Specialist / Consultant</i>

4 Institutional responsibilities (main on-going responsibilities)

Responsibilities

Driving forth state-of-the-art research on infrastructure networks and their resilience in uncertainty
Leading the Institute's contribution to an interdisciplinary project in the Masters Spatial development and infrastructure systems
Managing research projects in the absence of project manager.
Understanding the planning of infrastructure under uncertainty using stated-choice models

References

- Blumenfeld, T., Elvarsson, A., Grund, C., Schiffmann, F., Hajdin, R. & Balck, H. (forthcoming) A methodology for probabilistic pavement condition forecast based on Bayesian filters, *Structure & Infrastructure Engineering*, forthcoming.
- Elvarsson, A. B., Martani, C., & Adey, B. T. (2021) Considering automated vehicle deployment uncertainty in the design of optimal parking garages using real options, *Journal of Building Engineering*, 34, 101703, <https://doi.org/10.1016/j.job.2020.101703>
- (in Icelandic) Elvarsson, A. B. & Sigþórsson, H. (2020) Sjálfakandi ökutæki á Íslandi: Viðhorf almennings gagnvart nýjum ferðamáta, *Icelandic Journal of Engineering*, 2020.
- Etzioni, S., Hamadneh, J., Elvarsson, A. B., Esztergár-Kiss, D., Djukanovic, M., Neophytou, S. N., Sodnik, J., Polydoroupoulou, A., Tsouras, I., Pronello, C., Thomopoulos, N. & Shiftan Y. (2020) Modeling cross-national differences in automated vehicle acceptance, *Sustainability*, 12(22), 9765. <https://doi.org/10.3390/su12229765>
- Kyriakidis, M., Sodnik, J., Stojmenova, K., Elvarsson, A.B., Pronello, C. & Thomopoulos, N. (2020) The Role of Human Operators in Safety Perception of AV Deployment—Insights from a Large European Survey – The safety illusion, *Sustainability*, 12(21), 9166; doi: 10.3390/su12219166